

ID	WBS	Task Name	Contact	Resource Initials	Duration
0		D0 Grid Production Computing Initiative	ehnlein		196 days
1	1	D0 Grid Production Architecture	AL		73 days
2	1.1	INPUT: Original architecture document v1.2	AL	AL	0 days
3	1.2	High-level Architecture Document: draft - APIs, component responsibilities	AL	ASB,AL	7 days
4	1.3	milestone: Draft High-level Architecture Document	AL	AL	0 days
5	1.4	High-level Architecture Document: Review	AL,G,RDK,ASB		5 days
6	1.5	High-level Architecture Document: Revised version	AL	AL	8 days
7	1.6	High-level Architecture Document: Approval - ASB	AL	RDK	4 days
8	1.7	High-level Architecture Document: Approval - VW	AL	RDK	1 day
9	1.8	MILE 7: D0 Grid Production Architecture document done	AL		0 days
10	2	Adjust Responsibilities among SamGrid, D0runjob, D0repro, automc tools	GG		191 days
11	2.1	INPUT: Review of D0runjob interface	PM	PM	0 days
12	2.2	Decouple D0runjob macro and SamGrid	GG		4 days
13	2.2.1	INPUT: Interface changes documented	GG	PM	0 days
14	2.2.2	Decouple D0runjob macro and SamGrid development work	GG	PL	1 day
15	2.2.3	Decoupling: MC Job Type: SamGrid Integration	GG	PM	3 days
16	2.3	Ability to store output at any stage on demand	GG		128 days
17	2.3.1	Store output from any stage: SamGrid development/integration	GG	PM	1 day
18	2.3.4	Store output from any stage: Production-level test	GG	JS	1 day
19	2.3.5	MILE 22: Store output from any stage of processing	GG		0 days
20	2.4	Start Prod via SAM Definition from Stage 2 of Prod: v1	GG		30 days
21	2.4.1	INPUT: Start Prod at Stage 2: D0runjob development	GG	PL	0 days
22	2.4.2	Start Prod at Stage 2: SamGrid development/integration	GG	PM	21 days
23	2.4.3	Start Prod at Stage 2: Production-level test	GG	JS	3 days
24	2.4.4	MILE 2: Start (MC) Production at Stage 2 - Working	GG		0 days
25	2.5	Error Recovery in Phased Processing	GG		35 days
26	2.5.1	Error Recovery: SamGrid development/integration	GG	PM	1 day
27	2.5.2	Error Recovery: Production-level test	GG	JS	5 days
28	2.5.3	milestone: Error Recovery in Phased Processing	GG		0 days
29	2.6	D0repro tools adapted to use Sam v7 request system	GG		128 days
30	2.6.1	D0repro tools adaptation: First 50% implementation	DW	DW	40 days
31	2.6.2	D0repro tools adaptation: Next 40% implementation	DW	DW	32 days
32	2.6.3	D0repro tools adaptation: Request impact on SamGrid and/or D0runjob	GG	RDK,GG	4 days
33	2.6.8	D0repro tools adaptation: Fix python interface to SAM request system	AL	SS	12 days
34	2.6.9	DEFER: D0repro tools adaptation: Final 10% implementation	DW	DW	0 days
35	2.6.4	D0repro tools adaptation: Use generic runjob interfaces in Samgrid for data processing App	GG	PM	14 days
36	2.6.10	D0repro tools adaptation: Define test dataset	GG	MD	1 day
37	2.6.5	DEFER: D0repro tools adaptation: Adjust D0runjob to use request system	GG	PL,PM	0 days
38	2.6.7	DEFER - MILE 14: D0repro-tools uses Sam v7 request system	GG		0 days
39	2.7	Resolve how to add production paths in future	GG		49 days
40	2.7.12	Generalization of Job Types according to I/O Characteristics: client side	GG	PM	16 days
41	2.7.1	Generalization of Job Types according to I/O Characteristics: execution side	GG	PM	6 days

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42		2.7.14	Generalization of Job Types according to I/O Characteristics: internal testing	GG	PM	4 days
43		2.7.13	D0repro tools/Generalization changes: Develop test	GG	PM	4 days
44		2.7.11	D0repro tools/Generalization changes: Production test	GG	MD	3 days
45		2.7.6	D0repro tools/Generalization changes: MC Production test	GG	JS	3 days
46		2.7.2	Resolve how to add production paths in future: Document	GG	PM	5 days
47		2.7.3	Resolve how to add production paths in future: D0 Approval	GG	ASB	1 day
48		2.7.4	MILE 20: How to add production paths in future - resolved	GG		0 days
49		2.8	Support testing v7/d0runjob/SamGrid functionality	GG		82 days
50		2.8.1	Survey current understanding of testing procedures	GG	RDK	6 days
51		2.8.2	D0GPCI FNAL testing meeting	GG		1 day
52		2.8.3	Testing responsibilities, procedures proposal	GG	GG	12 days
53		2.8.4	Agreement on Component and Integration testing	GG	GG,PL	8 days
54		2.8.5	Evaluate how D0runjob should set up WN environment	GG	AB2	4 days
55		2.8.6	D0runjob sets up its own environment	GG	PL	6 days
56		2.8.7	Evaluate and sign-off on test facilities and procedures	GG	/,PL,DW,JS	5 days
57		2.8.8	MILE 18: Support testing v7/d0runjob/SamGrid functionality	GG		0 days
58		2.9	Start Prod via SAM Definition from Stage 2 of Prod: v2	GG		6 days
59		2.9.1	Start Prod at Stage 2: SamGrid notification=all bug fix	GG	PM	4 days
60		2.9.2	Start Prod at Stage 2: Production-level re-test	GG	JS	2 days
61		2.9.3	milestone: Start Prod at Stage 2 Ready for Production Release	GG		0 days
62	 	2.10	Evaluate Extensions to Development	GG		6 days
63	 	2.10.1	D0runjob/SamGrid Decoupling: Skim Job Type	GG		0 days
64	 	2.10.3	D0runjob/SamGrid Decoupling: Merge Job Type	GG		0 days
65	 	2.10.4	Start Prod via SAM Definition from Stage 3+ of Prod	GG		0 days
66		2.10.5	Fabric interface no longer dependent on Job Type	GG		0 days
67	 	2.10.6	All merge code into D0runjob	PL		0 days
68		2.10.7	Write evaluation of extensions to development	GG	GG	6 days
69		2.11	MILE 26: Tools have defined API, testing responsibilities	GG		0 days
70		3	Transition Operations Support from SamGrid Dev to Run2 Ops	GG,AL		191 days
71		3.1	Operations Documentation	AL		171 days
72		3.1.1	Data Queues Doc	AL		67 days
73		3.1.1.1	INPUT: Data Queues Doc: Recent Draft	AL	AB2	0 days
74		3.1.1.2	Data Queues Doc: Feed-back, update	AL	AB3,AB2	5 days
75		3.1.1.3	Data Queues Doc: Approve	AL	AL	5 days
76		3.1.1.4	Data Queues Doc: Integrate into SamGrid Documentation	AL	DZ,AL	1 day
77		3.1.1.5	milestone: Data Queues Doc: Completed	AL		0 days
78		3.1.2	Forwarding Node Installation Doc	AL		68 days
79		3.1.2.1	INPUT: Fwd Node Install Doc: Recent Draft	AL	DZ	0 days
80	 	3.1.2.2	Fwd Node Install Doc: Hardware prep attempt	AL	SS	25 days
81	 	3.1.2.3	Fwd Node Install Doc: Feed-back	AL	SS	5 days
82		3.1.2.4	Fwd Node Install Doc: Integrate Dehong and Steve's documents	AL	DZ,SS	5 days
83		3.1.2.5	Fwd Node Install Doc: Approve	AL	AL	1 day

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84	✓	3.1.2.6	Fwd Node Install Doc: Integrate into SamGrid Installation Manual	AL	DZ	2 days
85	✓	3.1.2.7	milestone: Fwd Node Install Doc: Completed	AL		0 days
86	✓	3.1.3	Integrating SRM Storage with SAM Doc	GG		7 days
87	✓	3.1.3.1	SRM with SAM Doc: Integrate into SamGrid Documentation	GG	AB2	7 days
88	✓	3.1.3.2	milestone: SRM with SAM Doc: Completed	GG		0 days
89	✗	3.1.4	Operations Policies Doc	AL		126 days
90	✓	3.1.4.1	Operations Policies doc: Draft	AL	AL	1 day
91	✓	3.1.4.2	Operations Policies doc: Review	AL	GG,RDK	5 days
92	✓	3.1.4.3	Operations Policies doc: Revised draft	AL	AL	12 days
93	✓	3.1.4.4	Operations Policies doc: Review, agreement	AL		7 days
94	✓	3.1.4.5	Operations Policies doc: Review version v1.0	AL	AL	8 days
95	✓	3.1.4.8	Operations Policies doc: Stakeholder Review	AL	RDK	9 days
96		3.1.4.9	Operations Policies doc: Release version v1.1	AL	AL	20 days
97		3.1.4.6	Operations Policies doc: Approve - CD, D0	AL	ASB,RDK	5 days
98		3.1.4.7	MILE 13: Grid Production Operations Policies doc done	AL		0 days
99		3.1.5	milestone: Operations Documentation completed	AL		0 days
100	✓	3.2	Operations Reduction and Transfer Planning	GG,AL		68 days
101	✓	3.2.1	Current Operations Description	GG		33 days
102	✓	3.2.1.1	INPUT: Write-up of operations issues	GG	GG	0 days
103	✓	3.2.1.2	Current Operations description: draft - level and causes	GG	GG	4 days
104	✓	3.2.1.3	Current Operations description: Review	GG	PM,RDK,AL	5 days
105	✓	3.2.1.4	Current Operations description: Revised version	GG	GG	2 days
106	✓	3.2.1.5	Current Operations description: Approve	GG	ASB	1 day
107	✓	3.2.1.6	milestone: Current Operations description	GG		0 days
108	✓	3.2.2	Future Operations Staffing Doc	AL		13 days
109	✓	3.2.2.1	INPUT: FY08 REX budget determined	RS	RS,AL	0 days
110	✓	3.2.2.2	Future Operations description: draft - acceptable load level and activities	AL	RS,AL	6 days
111	✓	3.2.2.3	Future Operations description: Review	AL	G,RDK,ASB	5 days
112	✓	3.2.2.4	Future Operations description: Approve	AL	ASB	2 days
113	✓	3.2.2.5	milestone: Future Operations description	AL		0 days
114	✓	3.2.3	Operations Reduction Plan: "Road To Operations"	GG		60 days
115	✓	3.2.3.1	INPUT: Operations Reduction plan: Monitoring, Alarms proposal	GG	AB2	0 days
116	✓	3.2.3.2	Operations Reduction plan: Overall draft	GG	GG	16 days
117	✓	3.2.3.3	Operations Reduction plan: Review	GG	SB,RDK,AL	5 days
118	✓	3.2.3.4	Operations Reduction plan: Revised version	GG	GG,AB2	10 days
119	✓	3.2.3.5	MILE 4: Operations Reduction plan: Working plan ready	GG		0 days
120	✗	3.2.3.6	Operations Reduction plan: Coordinate w/FEF	GG	GG	10 days
121	✓	3.2.3.7	Operations Reduction plan: Approve - CD, D0	GG	ASB,RDK	2 days
122	✗	3.2.3.8	milestone: Operations Reduction plan completed	GG		0 days
123	✓	3.2.4	milestone: Operations Reduction and Transfer Planning completed	GG		0 days
124	✓	3.3	Operations Transfer Execution	GG,AL		95 days
125	✗	3.3.1	Operations Transfer: Phase 1 (Checklist)	GG,AL		18 days

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126	✓	3.3.1.1	SamGrid Requests to Sam Issue Tracker	GG,AL		2 days
127	✓	3.3.1.1.1	Request SamGrid Users to open tickets	GG,AL	GG	1 day
128	✓	3.3.1.1.2	Inform Sam shifters about handling SamGrid Requests	GG,AL	AL	1 day
129	✓	3.3.1.1.3	milestone: SamGrid Requests to Sam Issue Tracker	GG,AL		0 days
130	✓	3.3.1.2	SamGrid Operations Checklist	GG		8 days
131	✓	3.3.1.2.1	Write-up checklist	GG	PM	1 day
132	✓	3.3.1.2.2	Review checklist	GG	GG,AL	3 days
133	✓	3.3.1.2.3	Revise checklist	GG	PM	3 days
134	✓	3.3.1.2.4	Checklist training, trial run	GG	PM,AL	0.5 days
135	✓	3.3.1.2.5	Fine-tune checklist per feed-back	GG	PM	0.5 days
136	✓	3.3.1.2.6	milestone: SamGrid Operations Checklist Transferred	GG		0 days
137	✓	3.3.1.3	Adapt Operations Checklist to Ops-oriented Format	AL	AL,GG	9 days
138	✓	3.3.1.3.1	Adapt to Ops-oriented format	AL	AL	5 days
139	✓	3.3.1.3.2	Review, sign-off by GG, AB2	AL	GG,AB2	4 days
140	✓	3.3.1.3.3	milestone: Adapt Operations Checklist to Ops-oriented Format	AL		0 days
141	✓	3.3.1.4	MILE 3: Manual Checklist - Phase 1/4 of Ops Transfer done	GG,AL		0 days
142	✓ 	3.3.2	Operations Transfer: Phase 2 (Fwd Nodes, Stations)	GG,AL		15 days
143	✓	3.3.2.1	REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort)	GG,AL	DEV,REX	15 days
144	✓	3.3.2.2	Topical Operations Training and Docs as requested by REX ops (Level of Effort)	GG,AL	DEV,REX	15 days
145	✓	3.3.2.3	MILE 5: Fwd Nodes - Phase 2/4 of Ops Transfer done	GG,AL		0 days
146	✓ 	3.3.3	Operations Transfer: Phase 3 (Durable Locations, Queueing Nodes)	GG,AL		15 days
147	✓	3.3.3.1	REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort)	GG,AL	DEV,REX	15 days
148	✓	3.3.3.2	Topical Operations Training and Docs as requested by REX ops (Level of Effort)	GG,AL	DEV,REX	15 days
149	✓	3.3.3.3	MILE 10: Queueing,Durable Nodes - Phase 3/4 of Ops Transfer done	GG,AL		0 days
150	✓ 	3.3.4	Operations Transfer: Phase 4 (Jim Client, plus all else)	GG,AL		15 days
151	✓	3.3.4.1	REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort)	GG,AL	DEV,REX	15 days
152	✓	3.3.4.2	Topical Operations Training and Docs as requested by REX ops (Level of Effort)	GG,AL	DEV,REX	15 days
153	✓	3.3.4.3	MILE 21: Jim_Client+ - Phase 4/4 of Ops Transfer done	GG,AL		0 days
154	✓	3.3.5	milestone: Operations Transfer nominally completed	GG,AL		0 days
155	✓	3.4	VDT Version Migration	GG		63 days
156	✓	3.4.1	New VDT: VDT-oriented Testbed setup	GG	PM	8 days
157	✓	3.4.2	New VDT: VDT-oriented Testbed resetup	GG	PM	2 days
158	✓	3.4.3	New VDT: software adaptation and deployment	GG	PM	26 days
159	✓	3.4.5	MILE 9: SamGrid migrated to new VDT version	GG		0 days
160	✓ 	3.5	Operations Reduction Execution: "Road To Operations"	GG		146 days
161	✓ 	3.5.1	Reinstall key machines with standard configuration	GG		136 days
162	✓ 	3.5.1.1	Reach agreement among groups involved (by Sep 14)	GG	GG,AL	8 days
163		3.5.1.2	Reinstall Forwarding Nodes with standard configuration	GG,AL		128 days
164	✓ 	3.5.1.2.1	Define standard fwd node machine configuration	GG	PM	2 days
165		3.5.1.2.2	Reinstall Forwarding Nodes: Oct 22- Nov 20	GG		126 days
166	✓ 	3.5.1.2.2.1	Admins procure HW parts for all fwd nodes	GG	FEF	16 days
167	✓	3.5.1.2.2.2	Reinstall Forwarding Node 1 (w/Sam Station)	GG		20 days

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168	✓	3.5.1.2.2.2.1	Admins configure candidate fwd node (by Oct 22)	GG	FEF	5 days
169	✓	3.5.1.2.2.2.2	Developers install and test candidate fwd node (by Fri Oct 26)	GG	PM	3 days
170	✓	3.5.1.2.2.2.4	Adjust current software to use standard location as default	GG	PM	1 day
171	✓ 	3.5.1.2.2.2.3	Adjust current installation instructions	GG	PM	1 day
172	✓	3.5.1.2.2.2.5	REX ops re-installs on candidate machine	AL	SS	1 day
173	✓	3.5.1.2.2.2.7	Admins and REX ops configure production fwd node	AL	FEF,SS	1 day
174	✓ 	3.5.1.2.2.2.6	Switch candidate machine and d0srv047 (fwd + station) (Nov 6)	AL	SS	1 day
175	✓	3.5.1.2.2.2.9	Diagnose, resolve, document 32-bit/64-bit compatibility issues	GG,AL	PM,SS	4 days
176	✓	3.5.1.2.2.2.8	MILE 11: Forwarding Node w/Sam Station Reinstalled with std config	GG		0 days
177	✓	3.5.1.2.2.3	INPUT: Test of fail-over in production environment	GG	PM	0 days
178	✓	3.5.1.2.2.4	Reinstall Forwarding Node 2	AL		28 days
179	✓ 	3.5.1.2.2.4.1	REX ops drains and take production fwd node offline (d0srv15): NO-OP	AL	SS	1 day
180	✓	3.5.1.2.2.4.2	REX ops installs software on new production fwd node (samgfwd02)	AL	SS	2 days
181	✓	3.5.1.2.2.4.6	REX ops tests new production fwd node (samgfwd02)	AL	SS	5 days
182	✓	3.5.1.2.2.4.7	Rex ops and SamGrid Dev resolve perl/VDT issues revealed in fwd node test	AL	SS,PM	8 days
183	✓	3.5.1.2.2.4.8	REX ops retests new production fwd node (samgfwd02)	AL	SS	6 days
184	✓	3.5.1.2.2.4.3	Put new fwd node in production, drain old node (samgfwd02, old: d0srv15)	AL	SS	1 day
185	✓	3.5.1.2.2.4.5	milestone: verified fwd node configuration and procedure	AL		0 days
186		3.5.1.2.2.5	Reinstall Forwarding Node 3	AL		29 days
187	✓	3.5.1.2.2.5.2	REX ops installs software on new production fwd node (samgfwd03)	AL	SS	1 day
188	✓	3.5.1.2.2.5.5	REX ops tests new production fwd node (samgfwd03)	AL	SS	2 days
189	✓	3.5.1.2.2.5.7	REX ops follows up on samgfwd03 stability concerns with FEF	AL	SS	18 days
190	✓ 	3.5.1.2.2.5.8	REX ops re-installs software on Fwd Node 3	AL	SS	3 days
191		3.5.1.2.2.5.9	REX ops re-tests Fwd Node 3	AL	SS	2 days
192		3.5.1.2.2.5.10	Deploy Condor patch to Fwd Nodes 1-3	AL	SS	1 day
193		3.5.1.2.2.5.3	Put new fwd node in production, drain old node (samgfwd03, old: d0srv66)	AL	SS	2 days
194		3.5.1.2.2.5.11	MILE 15: OSG Fwd nodes reinstalled with std config	GG		0 days
195	✓	3.5.1.2.2.8	Organize activities to prepare for LCG fwd node migration	GG	GG	13 days
196		3.5.1.2.2.11	Reinstall LCG/Germany/Wuppertal Forwarding Node	AL		23 days
197	✓	3.5.1.2.2.11.15	Site ops repairs failed disk, brings node back online	AL	LCG	6 days
198	✓ 	3.5.1.2.2.11.20	REX ops installs software on LCG/Germany fwd node: trial 1	AL	SS	4 days
199	✓	3.5.1.2.2.11.21	Evaluate options for proceeding: std config, less space, old restore, etc.	AL	AL,ASB	2 days
200	✓ 	3.5.1.2.2.11.16	REX ops installs software on LCG/Germany fwd node: trial 2	AL	SS	3 days
201		3.5.1.2.2.11.24	REX ops installs software on LCG/Germany fwd node: trial 3	AL	SS	4 days
202		3.5.1.2.2.11.17	REX ops puts LCG/Germany fwd node back into system	AL	SS	1 day
203		3.5.1.2.2.11.18	Site and REX ops configure production LCG/Germany fwd node	AL	SS,LCG	2 days
204		3.5.1.2.2.11.19	milestone: LCG/Germany Forwarding Node reinstalled with std config	AL		0 days
205		3.5.1.2.2.10	Reinstall LCG/UK/Imperial College Forwarding Node	AL		10 days
206		3.5.1.2.2.10.11	Review plan, get perms, check resources on Fwd Node	AL	SS,LCG	3 days
207	✓ 	3.5.1.2.2.10.5	MOOT: Site ops drains and take production fwd node offline	AL	LCG	0 days
208		3.5.1.2.2.10.6	REX ops installs software on LCG/UK fwd node	AL	SS	2 days
209		3.5.1.2.2.10.7	REX ops puts LCG/UK fwd node back into system	AL	SS	1 day

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210	3.5.1.2.2.10.8	Site and REX ops configure production LCG/UK fwd node	AL	SS,LCG	2 days
211	3.5.1.2.2.10.9	milestone: LCG/UK Forwarding Node reinstalled with std config	AL		0 days
212	3.5.1.2.3	milestone: Forwarding nodes reinstalled with standard configuration	GG		0 days
213	3.5.1.3	Reinstall Queuing Node with standard configuration	GG,AL		70 days
214	3.5.1.3.1	Define standard queuing node machine configuration	GG	PM	5 days
215	3.5.1.3.2	Reinstall Queuing Node: Oct 19 - Nov 6	GG		21 days
216	3.5.1.3.2.1	Admins procure HW parts for samgrid-like node (job queuing, broker, web server)	GG	FEF	12 days
217	3.5.1.3.2.2	Admins configure test instance of samgrid-like node	GG	FGS	2 days
218	3.5.1.3.2.3	Developers install and test samgrid-like node (by Wed Nov 7)	GG	PM	2 days
219	3.5.1.3.2.4	Adjust current installation instructions	GG	PM	1 day
220	3.5.1.3.2.5	Adjust current software to use standard location as default	GG	PM	1 day
221	3.5.1.3.2.6	Admins configure production samgrid-like node	AL	FGS	1 day
222	3.5.1.3.2.7	REX ops installs queuing software on production samgrid-like node	AL	SS	1 day
223	3.5.1.3.2.9	Dev ops installs web server software on production samgrid-like node	AL	PM	1 day
224	3.5.1.3.2.8	REX ops integrates new samgrid-like node into production system	AL		1 day
225	3.5.1.3.2.8.1	Replace samgrid.fnal.gov (Dec 4 downtime, prefer Nov 6 downtime)	AL	SS	1 day
226	3.5.1.3.3	MILE 12: Queuing node reinstalled with std config	GG		0 days
227	3.5.1.3.4	Diagnose job history incompatibility issues and create migration plan	GG	PM,GG	3 days
228	3.5.1.3.11	Prepare for migration from mixed old/new samgrid nodes to new node use only	GG	PM,GG	5 days
229	3.5.1.3.5	Migrate MC Prod from mixed old/new samgrid nodes to new node use only	GG	JS	23 days
230	3.5.1.3.6	Migrate Prod from mixed old/new samgrid nodes to new node use only	GG	MD	7 days
231	3.5.1.3.12	Turn off old samgrid.fnal.gov (samgsrv1) - warn,do,check	GG	GG	6 days
232	3.5.1.3.8	milestone: Migration to exclusive use of new samgrid node completed	GG		0 days
233	3.5.1.4	Reinstall Durable Locations with standard configuration	GG,AL		13 days
234	3.5.1.4.1	Define standard durable location machine configuration	GG	PM	9 days
235	3.5.1.4.2	Reinstall Durable Locations: Nov 9 - Nov 28	GG		4 days
236	3.5.1.4.2.1	MOOT: Admins procure HW parts(?) for test instance of durable location node	GG	FEF	0 days
237	3.5.1.4.2.2	MOOT: Admins configure test instance of durable location node (by Fri Nov 9)	GG	FEF	0 days
238	3.5.1.4.2.3	MOOT: Developers install and test durable location node (by Fri Nov 23)	GG	PM	0 days
239	3.5.1.4.2.4	Durable Locations: Adjust current installation instructions	GG	PM	1 day
240	3.5.1.4.2.5	MOOT: Adjust current software to use standard location as default	GG	PM	0 days
241	3.5.1.4.2.6	MOOT: REX ops re-installs on test machine	AL	SS	0 days
242	3.5.1.4.2.7	REX ops reconfigures existing durable locations	AL		0 days
243	3.5.1.4.2.7.1	MOOT: Stop tmr upload to d0srv063; REX ops reinstalls durable location	AL	SS	0 days
244	3.5.1.4.2.7.2	MOOT: Stop tmr upload to d0srv065; REX ops reinstalls durable location	AL	SS	0 days
245	3.5.1.4.3	MILE 17: Durable Locations reinstalled with std config	GG		0 days
246	3.5.1.5	milestone: Standard configuration defined and key machines reinstalled	GG		0 days
247	3.5.8	Create SamGrid Test Stand	AL		28 days
248	3.5.8.7	REX ops and Run2Sys agree on/setup hardware config of test stand nodes	AL	SS	6 days
249	3.5.8.1	REX ops installs software on test OSG fwd node (d0srv15)	AL	SS	2 days
250	3.5.8.8	REX ops installs software on 2nd test fwd node (d0srv47)	AL	SS	3 days
251	3.5.8.9	REX ops tests fwd nodes in test stand	AL	SS	8 days

ID	WBS	Task Name	Contact	Resource Initials	Duration
252		3.5.8.2 Admins fix disk on test queue node (old samgrid)	AL	FEF	5 days
253		3.5.8.5 REX ops installs software on test queue node (old samgrid)	AL	SS	3 days
254		3.5.8.6 REX ops installs durable locations test machine	AL	SS	2 days
255		3.5.8.3 Trial use of SamGrid test stand	AL	SS	2 days
256		3.5.8.4 milestone: SamGrid test stand completed	AL		0 days
257		3.5.2 Automate routine maintenance operations	GG		64 days
258		3.5.2.1 Automatic clean up of job queues	GG		62 days
259		3.5.2.1.5 Dev tools to auto-clean up OSG job queue in samgrid_util (Forwarding Nodes)	GG	PM	2 days
260		3.5.2.1.2 Deploy/observe tools for auto-clean up of OSG job queue (Fwd Nodes 1,2 re-installed)	GG	PM,SS	4 days
261		3.5.2.1.9 Dev tools to auto-clean up SamGrid job queue in samgrid_util CVS (Queueing Node)	GG	PM	8 days
262		3.5.2.1.3 Samgrid_util product cut with queue node clean-up, etc.	GG	PM	1 day
263		3.5.2.1.4 Deploy/observe tools for auto-clean up of SamGrid job queue	GG	PM,SS	3 days
264		3.5.2.1.8 Deploy/observe tools for auto-clean up of OSG job queue (Fwd Node 3 re-installed)	GG	SS	3 days
265		3.5.2.2 Automatic clean-up of disk areas	GG		61 days
266		3.5.2.2.1 Resolve: Globus gatekeeper does not properly cleanup gass caches	GG	PM	1 day
267		3.5.2.2.2 Periodically clean up gram log files at fwd nodes and exec sites	GG	PM	1 day
268		3.5.2.2.3 Clean up sandboxes and jim_tmp areas at fwd node	GG	PM	1 day
269		3.5.2.2.4 Clean up non-rotated log files (eg. Tomcat): CVS archive part	GG	PM	8 days
270		3.5.2.2.5 Clean up non-rotated log files (eg. Tomcat): Logrotate part A	GG	PM	1 day
271		3.5.2.2.6 Clean up non-rotated log files (eg. Tomcat): Logrotate part B	GG	PM	4 days
272		3.5.2.3 Automation of all gridmap file management (including condor_schedd)	GG	PM	1 day
273		3.5.2.4 Simplify maintenance of automatic clean-up scripts for durable locations	GG	AB2	5 days
274		3.5.2.5 Add the deployment of scripts to installation instructions	GG	PM	1 day
275		3.5.2.7 MILE 23: Routine maintenance operations automated	GG		0 days
276		3.5.4 Automatic handling of job log files	GG		94 days
277		3.5.4.1 Reduce size of output sandbox	GG	AB2	1 day
278		3.5.4.2 Make output sandbox space management more robust	GG	AB2	1 day
279		3.5.4.3 Transfer output sandbox selection logic to Runjob: Initial Pass	GG	PL	20 days
280		3.5.4.8 Transfer output sandbox selection logic to Runjob: Test, add old/new support	GG	AB2	8 days
281		3.5.4.10 Transfer output sandbox selection logic to Runjob: Final testing	GG	AB2	10 days
282		3.5.4.11 milestone: Automated handling of job log files	GG		0 days
283		3.5.4.9 Logfile Access Tools			23 days
284		3.5.4.9.1 Specify tools for accessing old logfiles	GG	MD	5 days
285		3.5.4.9.2 Provide tools (to MD) for accessing old logfiles	GG	AB2	6 days
286		3.5.4.9.3 Test logfile access tools	GG	MD	5 days
287		3.5.4.9.4 Revise tools given customer feedback	GG	AB2	2 days
288		3.5.5 Automate system health alarms	GG		118 days
289		3.5.5.1 NGOP central service	GG		66 days
290		3.5.5.1.1 Define hardware	GG	AB2	1 day
291		3.5.5.1.2 Install basic NGOP server	GG	AB2	1 day
292		3.5.5.1.4 Deploy and test best schema as depicted	GG	AB2	1 day
293		3.5.5.1.5 Understand SAM-Grid representation requirements: Dev part	AL	AB2	5 days

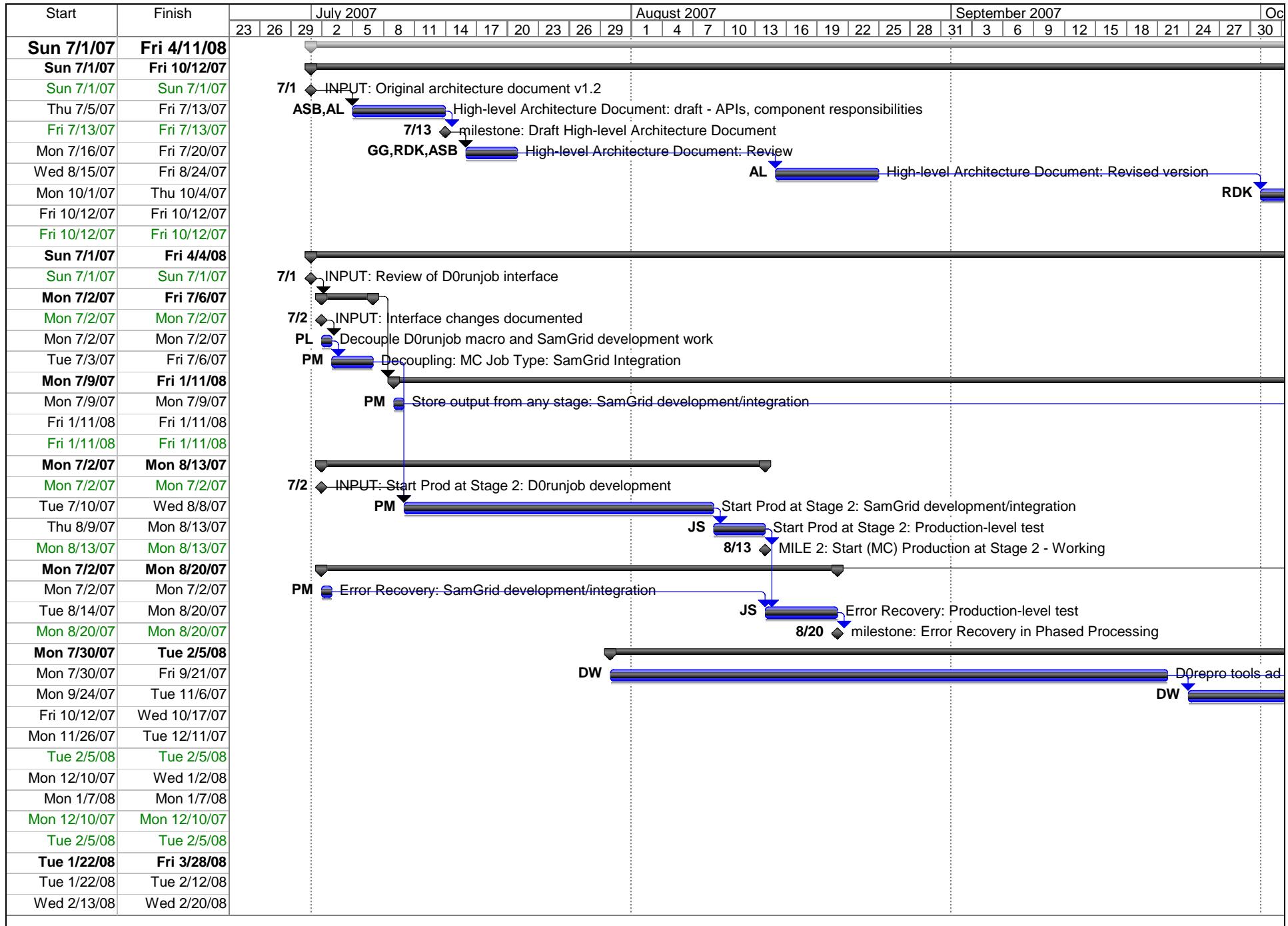
ID	WBS	Task Name	Contact	Resource Initials	Duration
294	✓	3.5.5.1.6		RH	5 days
295	✓	3.5.5.1.9		AL, AB2, REX	8 days
296	✓	3.5.5.1.8		GG	0 days
297	✓ 	3.5.5.2	GG		19 days
298	✓	3.5.5.2.1	GG	AB2	10 days
299	✓	3.5.5.2.2	GG	AB2	5 days
300	✓	3.5.5.2.4	GG	AB2	1 day
301	✓	3.5.5.2.5	GG	AB2	1 day
302	✓	3.5.5.2.6	GG	AB2	1 day
303	✓	3.5.5.2.7	GG	AB2	1 day
304	✓	3.5.5.2.8	GG		0 days
305	✓	3.5.5.3	GG		13 days
306	✓	3.5.5.3.1	GG	AB2	1 day
307	✓	3.5.5.3.3	GG	AB2	6 days
308	✓ 	3.5.5.3.2	GG	AB2	6 days
309	✓	3.5.5.3.4	GG		0 days
310	✓	3.5.5.5	GG	AB2	2 days
311	✓	3.5.5.6	GG	AB2	4 days
312	✓	3.5.5.7	GG	AB2	5 days
313	✓	3.5.5.4	GG		0 days
314	✓	3.5.5.12	GG	AB2	2 days
315	✓	3.5.5.14	GG	AB2	18 days
316	✓	3.5.5.15	AL	AL, AB2	10 days
317	✓	3.5.5.16	AL	AB2	2 days
318		3.5.5.17	AL	SS	2 days
319		3.5.5.8	GG		0 days
320	✓ 	3.5.6	GG		3 days
321	✓	3.5.6.1	GG		3 days
322	✓	3.5.6.1.1	GG	AB2	1 day
323	✓	3.5.6.1.2	GG	AB2	1 day
324	✓	3.5.6.1.3	GG	AB2	1 day
325	✓	3.5.6.1.4	GG		0 days
326		3.5.7	GG		0 days
327	✓	3.7	GG		108 days
328	✓	3.7.1	GG	GG	5 days
329	✓ 	3.7.5	GG		0 days
330		3.8	GG		0 days
331		4	MD		189 days
332	✓	4.1	MD		9 days
333	✓	4.1.1	MD	MD	0 days
334	✓	4.1.2	MD	MD	0.5 days
335	✓ 	4.1.3	ST, FEF	MD	6 days

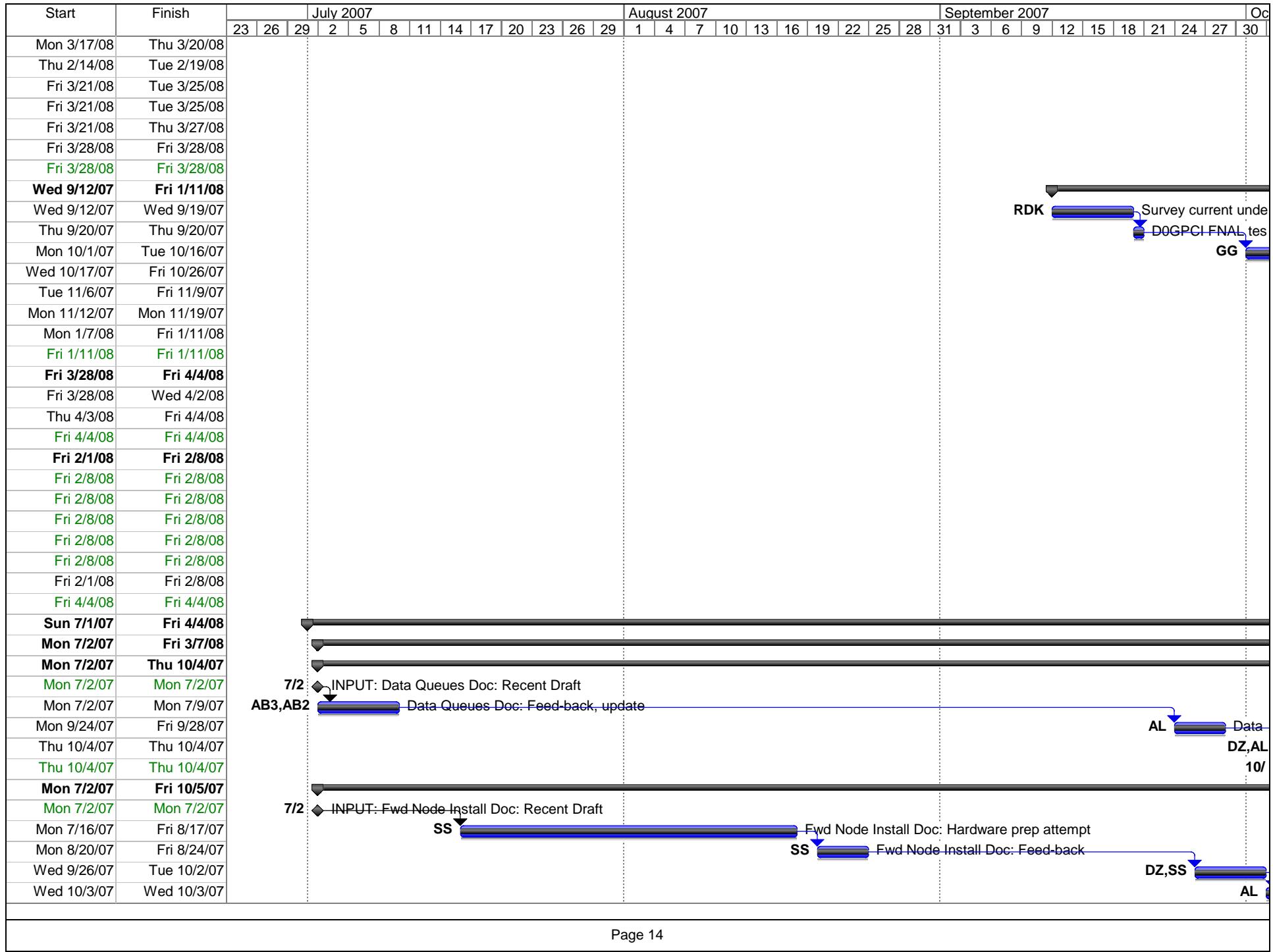
ID		WBS	Task Name	Contact	Resource Initials	Duration
336	✓	4.1.4	Run D0 Primary Prod via D0Production role	MD	MD	1 day
337	✓	4.1.5	MILE 1: D0 Primary Production Runnable on Fermigrid	MD		0 days
338	✓	4.2	DOPPF Commissioning Evaluation Meeting	RDK		1 day
339		4.3	Stable Operations	MD		150 days
340	✓	4.3.1	Commissioning Follow-up	MD		9 days
341	✓ 	4.3.1.1	Fix d0srv065 storage issues	MD	MD	3 days
342	✓	4.3.1.2	Run D0 Primary Prod to verify storage fix	MD	MD	3 days
343	✓	4.3.1.3	Scale-up D0 Primary Prod to 200 nodes	MD	MD	3 days
344	✓	4.3.1.4	milestone: DOPPF Stable Ops: Commissioning follow-up completed	MD	MD	0 days
345	✓	4.3.2	Management Processes and Documentation	MD		101 days
346	✓	4.3.2.1	Implement Change Management for feature requests using SAM IssueTracker	MD		1 day
347	✓	4.3.2.2	Establish service level for stable operations and implications on system config	MD,GG,PM,JS		5 days
348	✓	4.3.2.3	Grid Production System workflow/dataflow diagram - draft	RDK	RDK	3 days
349	✓	4.3.2.4	Grid Production System info on diagram: node roles, software, maintainers	RDK	RDK,AB2	2.5 days
350	✓	4.3.2.8	Grid Production System workflow/dataflow diagram - final	RDK	RDK	5 days
351	✓ 	4.3.2.5	Open Science Enclave baseline security plan - implications on SamGrid, CAB	MD,GG,FEF		20 days
352	✓	4.3.2.7	milestone: DOPPF Stable Ops: Management Processes and Documentation done	MD		0 days
353		4.3.3	System Monitoring	MD		39 days
354	✓ 	4.3.3.1	CAB web monitoring infrastructure upgrade	RDK	FEF	18 days
355		4.3.3.6	CAB web monitoring changes requested by MD,JS - data collection	RDK	FEF	14 days
356		4.3.3.5	CAB web monitoring changes requested by MD,JS - data presentation	RDK	FEF	7 days
357		4.3.3.4	milestone: DOPPF Stable Ops: System Monitoring done	MD		0 days
358		4.3.4	Specific System Services Issues	MD		103 days
359	 	4.3.4.1	Allow access by MD to dir/files on CAB owned by dzeropro (suggested: get root access)	MD	MD	20 days
360		4.3.4.2	JIM production release consistent with d0runjob v7-7-3 and higher	MD	MD	20 days
361	✓ 	4.3.4.3	Evaluate use of ReSS (more flexible than use of roles)	GG	GG	28 days
362	✓ 	4.3.4.5	Determine in detail how to adapt to use ReSS in D0GPCI	GG	GG	13 days
363	✓ 	4.3.4.6	Forward user's job scheduler requirements to sites: client side	GG	PM	4 days
364	✓ 	4.3.4.7	Forward user's job scheduler requirements to sites: execution side	GG	PM	3 days
365		4.3.4.8	Forward user's job scheduler requirements to sites: D0Runjob changes	GG	PL	5 days
366		4.3.4.9	Forward user's job scheduler requirements to sites: pre-production testing	GG	MD	4 days
367		4.3.4.4	milestone: DOPPF Stable Ops: Specific System Services done	MD		0 days
368		4.3.5	General System Services Issues (Road to Operations)	GG		120 days
369		4.3.5.1	INPUT: (3.5.1) Standardize file system layout on SamGrid nodes	GG		0 days
370		4.3.5.2	INPUT: (3.5.1) Get all nodes governing operation in a consistent, known state	GG		0 days
371	✓	4.3.5.3	INPUT: (3.5.4) Evaluate how to reduce bandwidth consumed by moving logs	GG		0 days
372	✓	4.3.5.4	INPUT: (3.5.4) Make Custom output support smarter, use compression	GG		0 days
373	✓	4.3.5.5	INPUT: (3.5.4) Migrate Custom output support from SAM wrapper to D0runjob	GG		0 days
374	✓ 	4.3.5.6	INPUT: (3.5.4) Implement a logfile archive node	GG		0 days
375		4.3.5.7	milestone: DOPPF Stable Ops: General System Services done	GG		0 days
376	✓	4.4	DOPPF Operations Evaluation Meeting	RDK		1 day
377		4.7	MILE 28: D0 Primary Production Stable on Fermigrid	MD		0 days

ID		WBS	Task Name	Contact	Resource Initials	Duration
378	✓	5	Extend Grid Production System Functionality	GG		83 days
379	✓	5.1	Forwarding Node Behind Firewall	GG		5 days
380	✓	5.1.1	Forwarding Node Behind Firewall: Evaluate, determine best course of action	GG	AB2	5 days
381	✓	5.2	Minimal Resource Brokering	GG		20 days
382	✓	5.2.1	Minimal Resource Brokering: Evaluate, determine best course of action	GG	GG	20 days
383	✓	5.3	MILE 16: Grid Production System functionality completed	GG		0 days
384		6	Preparation of D0 Apps for Long-term	ASB		85 days
385		6.1	Skimming	HG		0 days
386		6.1.1	Productize Skimming	RDK		0 days
387		6.2	CAF Trees			0 days
388		6.2.1	Productize CAF Tree generation	RDK		0 days
389		6.3	Raw2Sim			0 days
390		6.3.1	Productize Raw2Sim	RDK		0 days
391		6.4	AADST			85 days
392		6.4.1	Productize AADST	RDK		0 days
393	✓	6.4.3	Enable data migration to SAM storage	AL	AL	2 days
394		6.4.4	Track data migration to SAM storage	AL	AL	67 days
395		6.4.5	Perform data migration to SAM storage	AL	D0	77 days
396		6.6	Write recommendations for productization of D0 Apps	RDK	RDK	7 days
397		6.5	MILE 24: Preparation of D0 Apps for long-term	ASB		0 days
398		7	Evaluation of D0 SamGrid Requests	RDK		86 days
399		7.1	Reco			0 days
400		7.1.1	EVAL: Ability to merge more than 1 stream from Reco	RDK		0 days
401		7.2	MC Production			0 days
402		7.2.1	EVAL: Ability to run TrigSim in MC Production	RDK		0 days
403		7.3	Skimming			0 days
404		7.3.1	EVAL: Skimming in Production	RDK		0 days
405		7.4	EVAL: Fixing			0 days
406		7.5	Raw2Sim			0 days
407		7.5.1	EVAL: Run raw2sim on minbias files	RDK		0 days
408		7.6	Reco-cert			85 days
409		7.6.1	EVAL: Merging of reco-cert files	RDK		0 days
410	✓	7.6.2	Stand-alone production of reco-cert output on SamGrid			9 days
411	✓	7.6.2.1	Develop WBS for implementing S/A Recocert on SamGrid	RDK	RDK	9 days
412		7.7	CAF Trees			0 days
413		7.7.1	EVAL: CAF Trees from Production	RDK		0 days
414		7.8	EVAL: MC CAF Trees	RDK		0 days
415		7.9	EVAL: AADST	RDK		0 days
416		7.10	EVAL: Grid Analysis	RDK		0 days
417		7.12	Evaluate remaining D0 SamGrid Requests	RDK		86 days
418	✓	7.12.2	Develop generic WBS for adapting D0 Apps to Grid Production	RDK	RDK	9 days
419	✓	7.12.3	Create form to capture D0 App requirements, workflow, use patterns - draft	RDK	RDK	2 days

ID	①	WBS	Task Name	Contact	Resource Initials	Duration
420	✓	7.12.4	Create maintainable list of known portability issues for D0 Apps on Grid - draft	RDK	RDK	2 days
421	✓	7.12.10	Mini-docs on D0 App requirements, known portability issues - final	RDK	RDK	2 days
422	✓ 	7.12.1	D0 SamGrid Requests Evaluation: Draft version (v0.8)	RDK	RDK	5 days
423	✓ 	7.12.8	D0 SamGrid Requests Evaluation: Meet w/D0 Spokes and Vicky White	RDK		0 days
424	✓ 	7.12.9	D0 SamGrid Requests Evaluation: Review version (v0.9)	RDK	RDK	2 days
425	✓ 	7.12.5	D0 SamGrid Requests Evaluation: Internal Review	RDK		6 days
426		7.12.6	D0 SamGrid Requests Evaluation: Revision (v1.0)	RDK	RDK	2 days
427		7.12.7	D0 SamGrid Requests Evaluation: Approval	RDK		1 day
428		7.11	MILE 25: Evaluation of D0 SamGrid Requests done	RDK		0 days
429		8	Project Management	RDK		196 days
430	✓ 	8.1	INPUT: Draft Preliminary High-level WBS	RDK	RDK	0 days
431		8.2	Initiative Coordination Meeting	RDK		176.13 days
432	✓ 	8.2.1	Initiative Coordination Meeting 1	RDK		1 hr
433	✓ 	8.2.2	Initiative Coordination Meeting 2	RDK		1 hr
434	✓ 	8.2.3	Initiative Coordination Meeting 3	RDK		1 hr
435	✓ 	8.2.4	Initiative Coordination Meeting 4	RDK		1 hr
436	✓ 	8.2.5	Initiative Coordination Meeting 5	RDK		1 hr
437	✓ 	8.2.6	Initiative Coordination Meeting 6	RDK		1 hr
438	✓ 	8.2.7	Initiative Coordination Meeting 7	RDK		1 hr
439	✓ 	8.2.8	Initiative Coordination Meeting 8	RDK		1 hr
440	✓ 	8.2.9	Initiative Coordination Meeting 9	RDK		1 hr
441	✓ 	8.2.10	Initiative Coordination Meeting 10	RDK		1 hr
442	✓ 	8.2.11	Initiative Coordination Meeting 11	RDK		1 hr
443	✓ 	8.2.12	Initiative Coordination Meeting 12	RDK		1 hr
444	✓ 	8.2.13	Initiative Coordination Meeting 13	RDK		1 hr
445	✓ 	8.2.16	Initiative Coordination Meeting 14	RDK		1 hr
446	✓ 	8.2.14	Initiative Coordination Meeting 15	RDK		1 hr
447	✓ 	8.2.17	Initiative Coordination Meeting 16	RDK		1 hr
448	✓ 	8.2.15	Initiative Coordination Meeting 17	RDK		1 hr
449	✓ 	8.2.19	Initiative Coordination Meeting 18	RDK		1 hr
450	✓ 	8.2.20	Initiative Coordination Meeting 19	RDK		1 hr
451	✓ 	8.2.21	Initiative Coordination Meeting 20	RDK		1 hr
452	✓ 	8.2.22	Initiative Coordination Meeting 21	RDK		1 hr
453		8.2.23	Initiative Coordination Meeting 22	RDK		1 hr
454		8.2.24	Initiative Coordination Meeting 23	RDK		1 hr
455	✓ 	8.3	Project Planning	RDK		78.9 days
456	✓ 	8.3.1	WBS/Schedule v0.8 for 3/7 objectives	RDK	RDK	10 days
457	✓ 	8.3.2	milestone: WBS/Schedule v0.8, begin weekly status'ing	RDK		0 days
458	✓ 	8.3.3	WBS/Schedule v0.9 for 5/7 objectives	RDK	RDK	13 days
459	✓ 	8.3.4	milestone: Plan v0.9 sufficient to drive near-term work	RDK		0 days
460	✓ 	8.3.5	Draft WBS/Schedule v1.0 for 7/7 objectives	RDK	RDK,GG	32 days
461	✓ 	8.3.6	Big Baseline Planning Meeting	RDK		1 day

ID		WBS	Task Name	Contact	Resource Initials	Duration
462	✓	8.3.7	Create Baseline Project Plan v1.0	RDK	RDK	2 days
463	✓ 	8.3.8	MILE 6: Baseline Project Plan v1.0 released	RDK		0 days
464	✓	8.3.9	Baseline Project Plan: Executive Presentations	RDK	RDK	4 days
465	✓	8.3.12	Baseline Project Plan v1.0: Integrate feed-back	RDK	RDK	2 days
466	✓	8.3.13	Baseline Plan Project v1.1: Drop tasks pushed out past end of Initiative	RDK	RDK	2 days
467	✓ 	8.3.14	MILE 8: Project Plan v1.1	RDK		0 days
468		8.4	Project Administration	RDK		154.9 days
469	✓	8.4.1	Planning Phase (Level of Effort = 5%)	RDK	RDK	48 days
470		8.4.2	Execution Phase (Level of Effort >= 15%)	RDK	RDK	87 days
471		8.5	Project Close-out	RDK		30 days
472		8.5.6	Project Objectives Close-out Document	RDK	RDK	5 days
473	 	8.5.1	Project Close-out Meeting	RDK	RDK	1 day
474		8.5.2	Project Close-out Report	RDK	RDK	5 days
475		8.5.3	Project Close-out Report Approval: ABS, CD	RDK	ASB,RDK	3 days
476		8.5.4	Archive project artifacts	RDK	RDK	2 days
477		8.5.5	milestone: Initiative Closed-out	RDK		0 days
478		9	MILE 29: D0 GPC Initiative completed	ASB		0 days





Start	Finish	July 2007	August 2007	September 2007	Oc
		23 26 29 2 5 8 11 14 17 20 23 26 29	1 4 7 10 13 16 19 22 25 28 31 3 6 9 12 15 18 21 24 27 30		
Thu 10/4/07	Fri 10/5/07				DZ
Fri 10/5/07	Fri 10/5/07				1
Thu 7/12/07	Fri 7/20/07				
Thu 7/12/07	Fri 7/20/07				
Fri 7/20/07	Fri 7/20/07				
Wed 9/5/07	Fri 3/7/08				
Wed 9/5/07	Wed 9/5/07				
Thu 9/6/07	Wed 9/12/07				
Wed 10/3/07	Wed 10/24/07				
Thu 10/25/07	Fri 11/2/07				
Wed 1/2/08	Fri 1/11/08				
Mon 1/14/08	Fri 1/25/08				
Mon 1/28/08	Fri 2/29/08				
Mon 3/3/08	Fri 3/7/08				
Fri 3/7/08	Fri 3/7/08				
Fri 3/7/08	Fri 3/7/08				
Sun 7/1/07	Fri 10/5/07				
Sun 7/1/07	Thu 8/16/07				
Sun 7/1/07	Sun 7/1/07				
Mon 7/9/07	Thu 7/12/07				
Fri 7/13/07	Thu 7/19/07				
Thu 8/2/07	Fri 8/3/07				
Thu 8/16/07	Thu 8/16/07				
Thu 8/16/07	Thu 8/16/07				
Mon 7/9/07	Wed 7/25/07				
Mon 7/9/07	Mon 7/9/07				
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Tue 7/17/07	Mon 7/23/07				
Tue 7/24/07	Wed 7/25/07				
Wed 7/25/07	Wed 7/25/07				
Fri 7/13/07	Fri 10/5/07				
Fri 7/13/07	Fri 7/13/07				
Mon 8/6/07	Mon 8/27/07				
Tue 8/28/07	Tue 9/4/07				
Wed 9/5/07	Tue 9/18/07				
Tue 9/18/07	Tue 9/18/07				
Wed 9/19/07	Tue 10/2/07				
Thu 10/4/07	Fri 10/5/07				
Fri 10/5/07	Fri 10/5/07				
Fri 10/5/07	Fri 10/5/07				
Wed 8/1/07	Fri 12/14/07				
Wed 8/1/07	Fri 8/24/07				

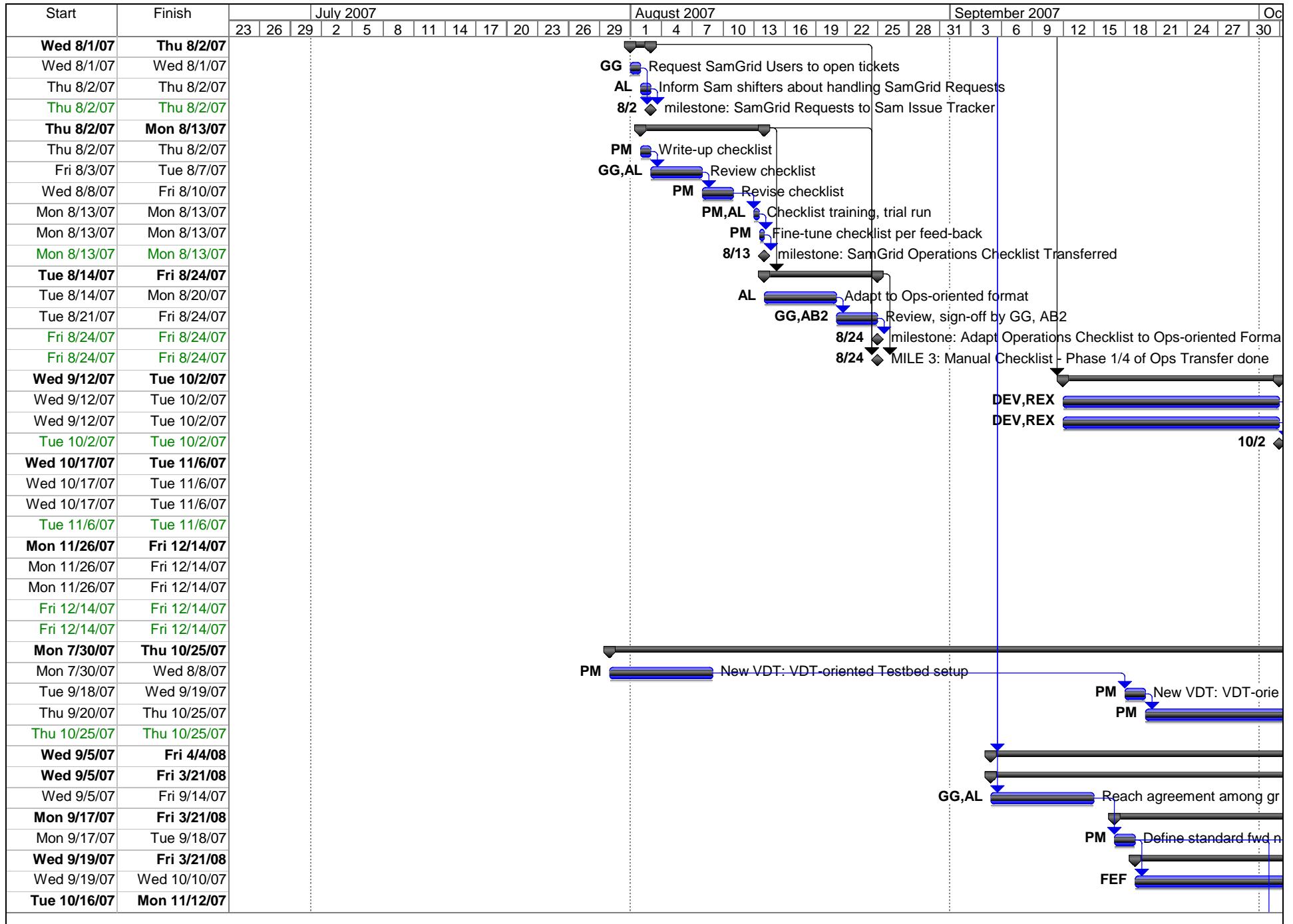
AB2 SRM with SAM Doc: Integrate into SamGrid Documentation
7/20 milestone: SRM with SAM Doc: Completed

AL Operations Policies doc: Draft
GG,RDK Operations Policies doc: Review
AL

7/1 INPUT: Write-up of operations issues
GG Current Operations description: draft - level and causes
PM,RDK,AL Current Operations description: Review
GG Current Operations description: Revised version
ASB Current Operations description: Approve
8/16 milestone: Current Operations description

7/9 INPUT: FY08 REX budget determined
RS,AL Future Operations description: draft - acceptable load level and activities
GG,RDK,ASB Future Operations description: Review
ASB Future Operations description: Approve
7/25 milestone: Future Operations description

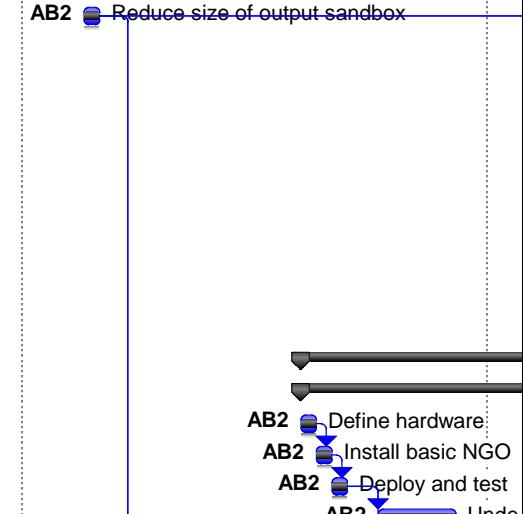
7/13 INPUT: Operations Reduction plan: Monitoring, Alarms proposal
GG Operations Reduction plan: Overall draft
ASB,RDK,AL Operations Reduction plan: Review
GG,AB2 Operations Reduction
9/18 MILE 4: Operations
GG ASB,RDK

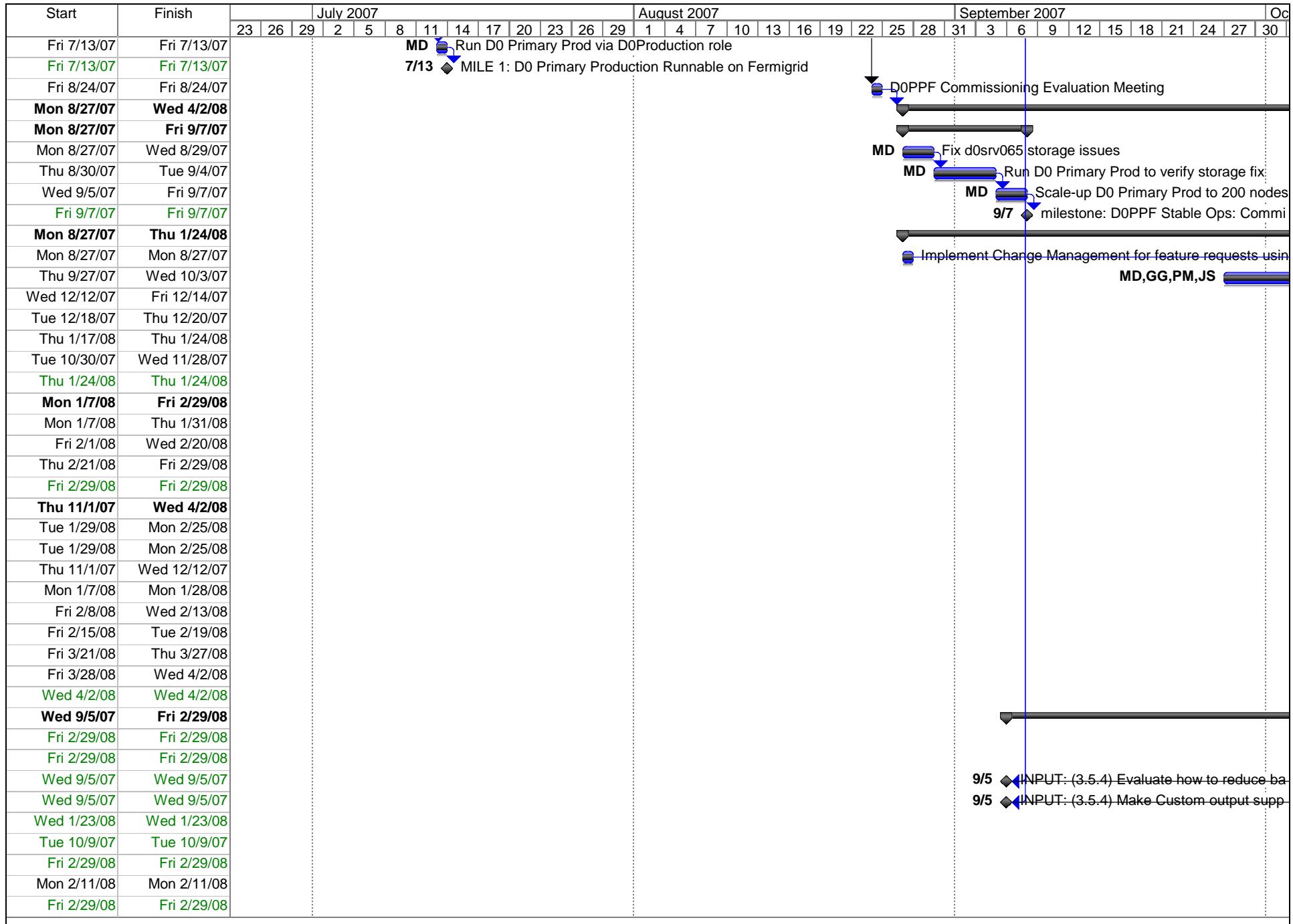


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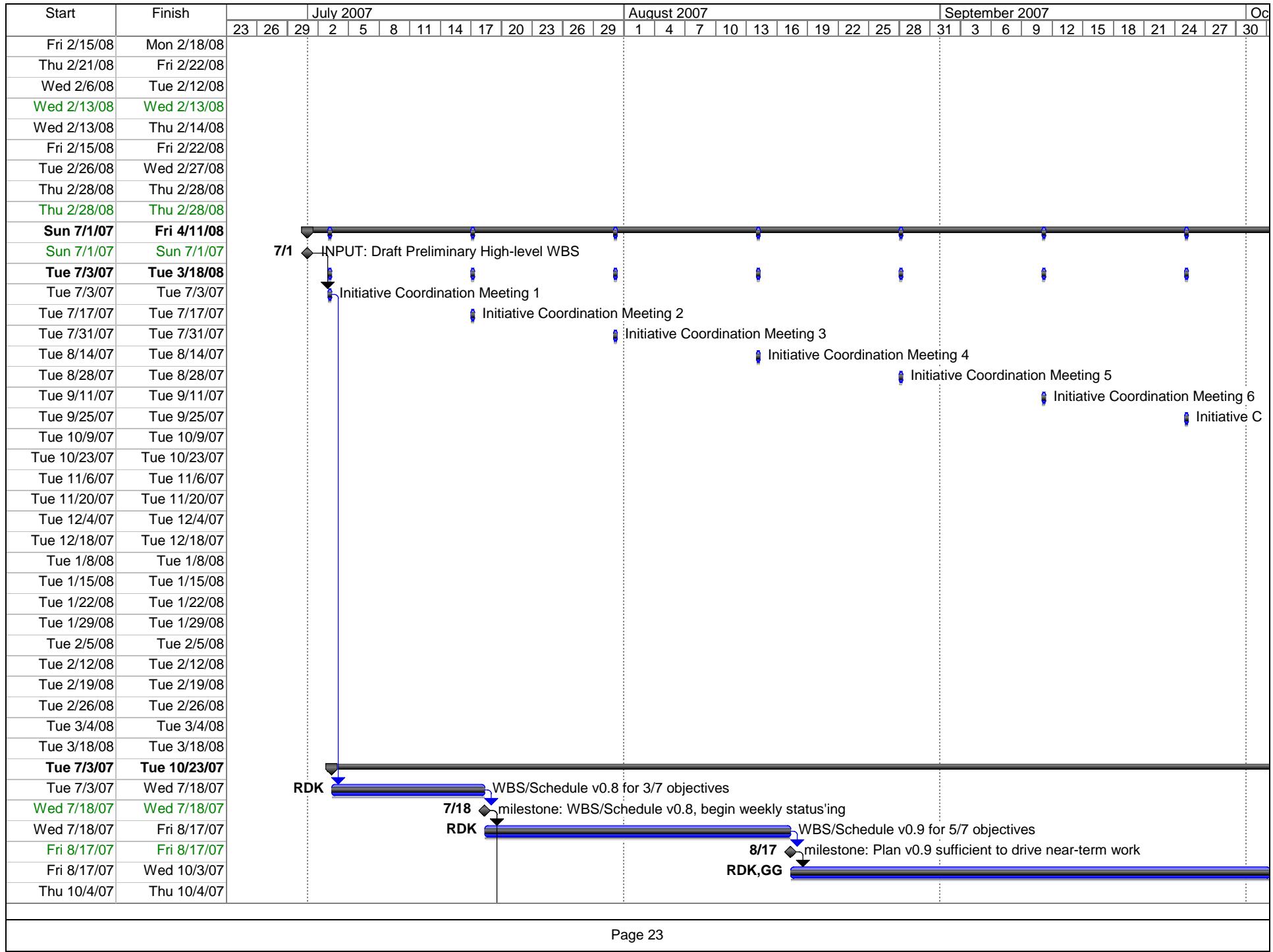
9/27 ◆ INPU

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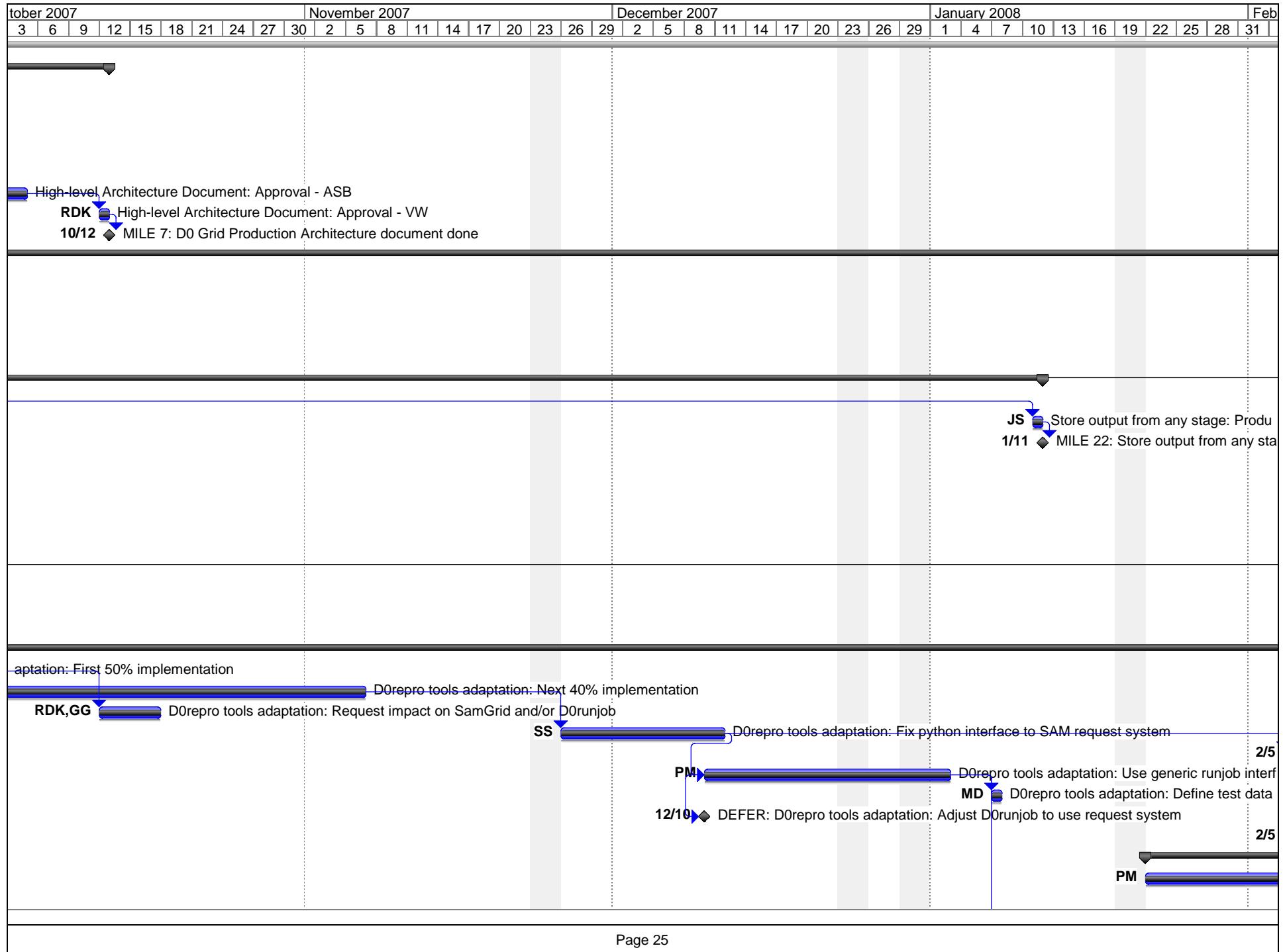


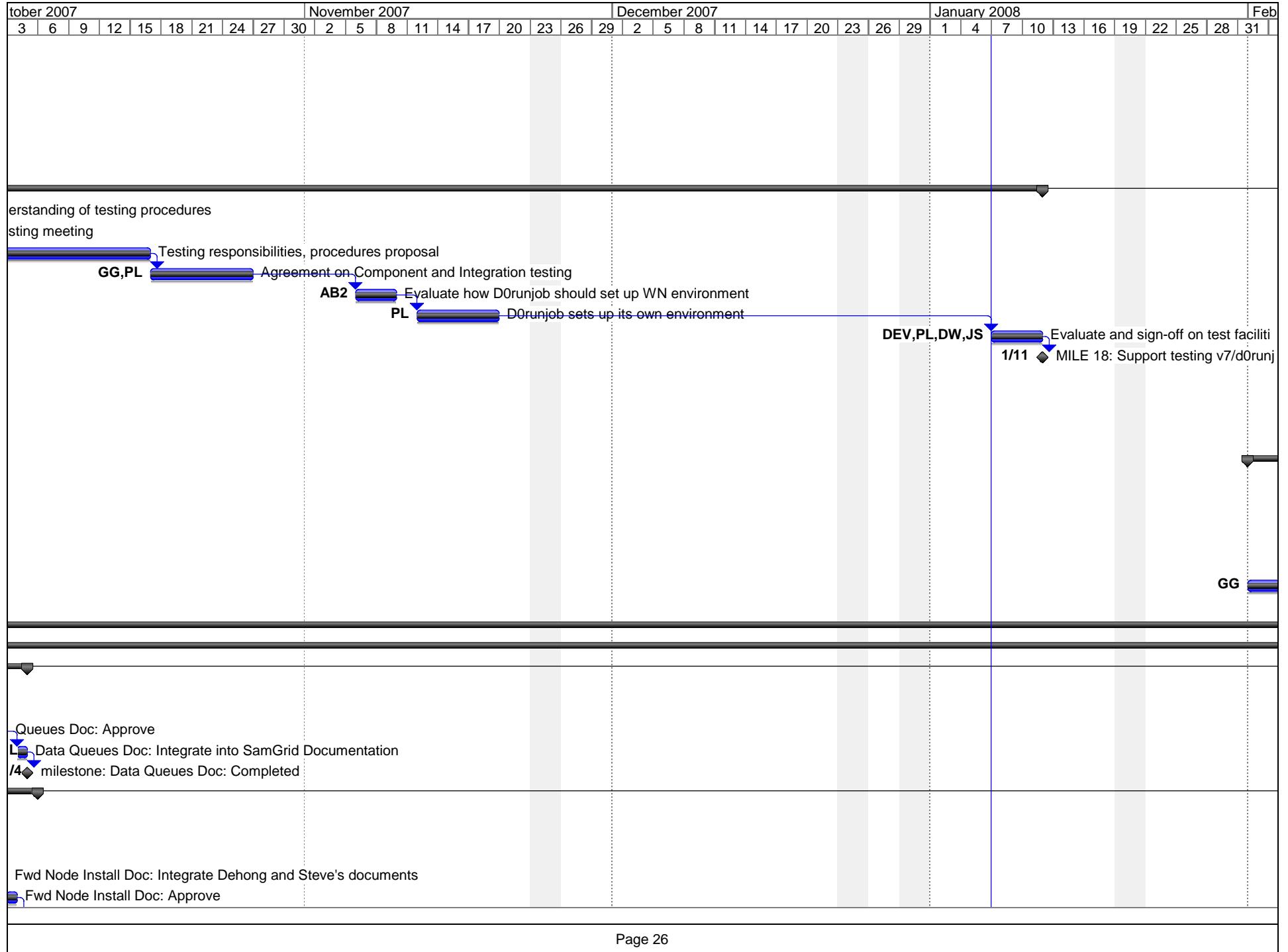
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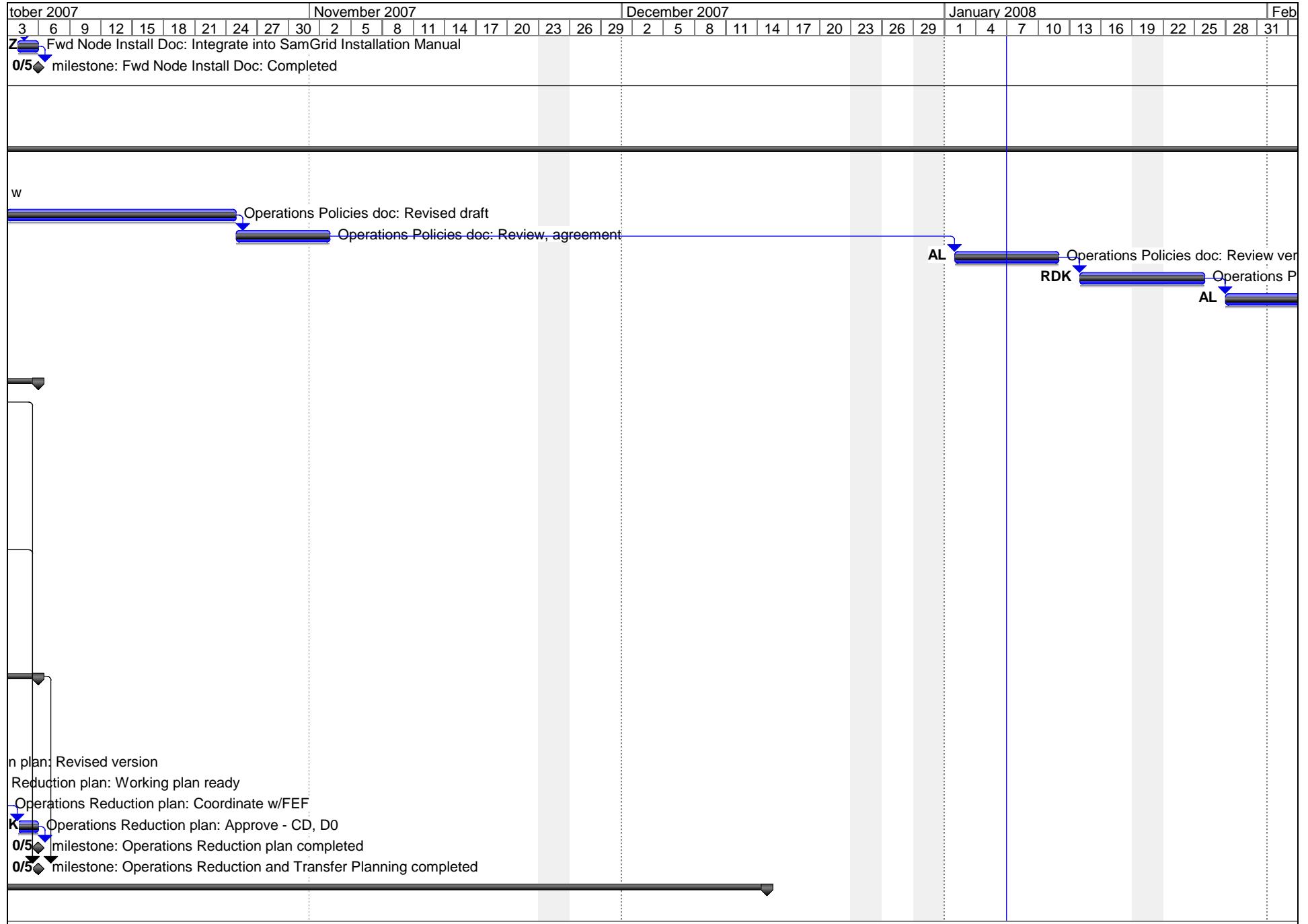


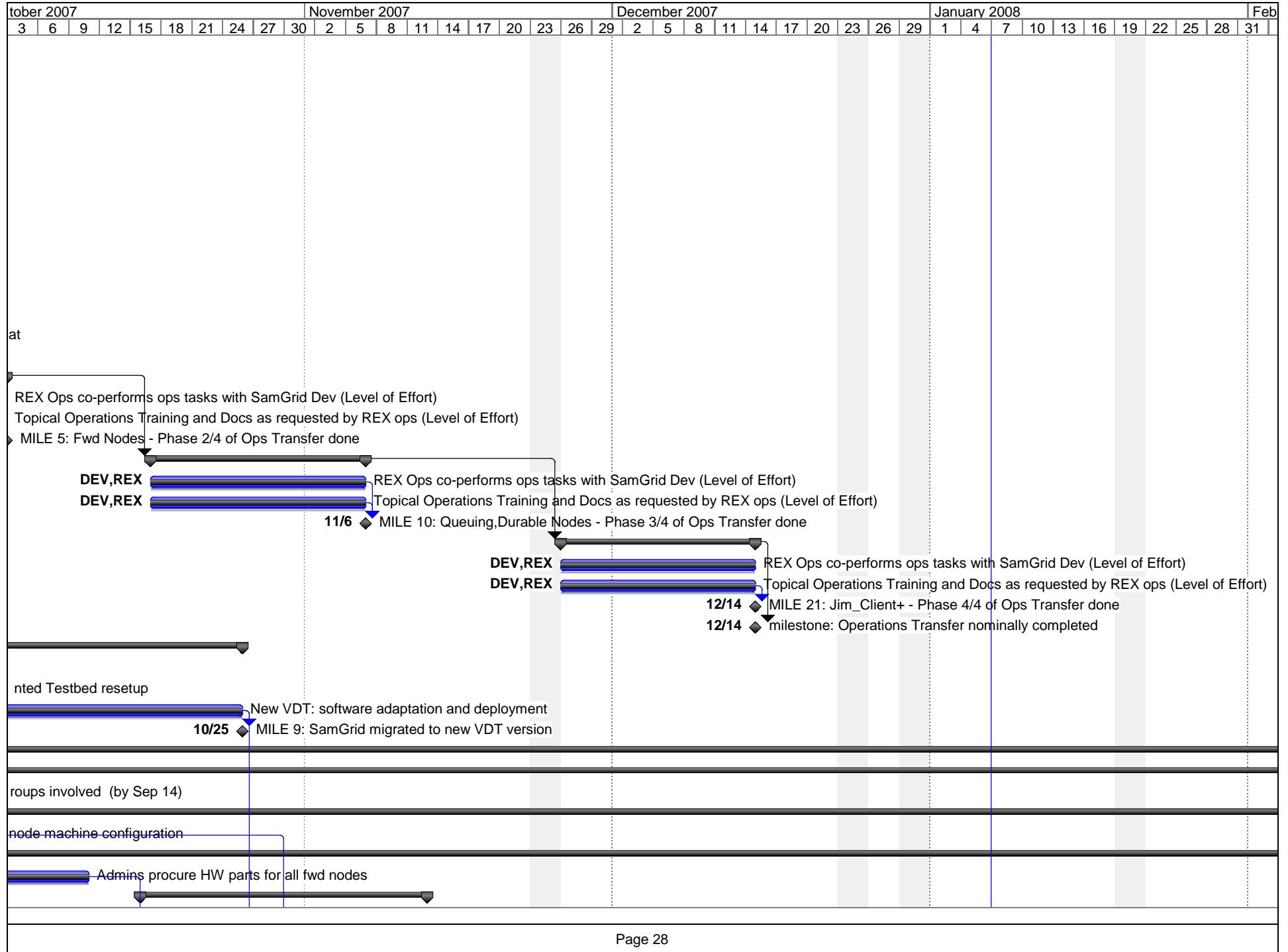
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Fri 10/5/07	Mon 10/8/07																																	RD
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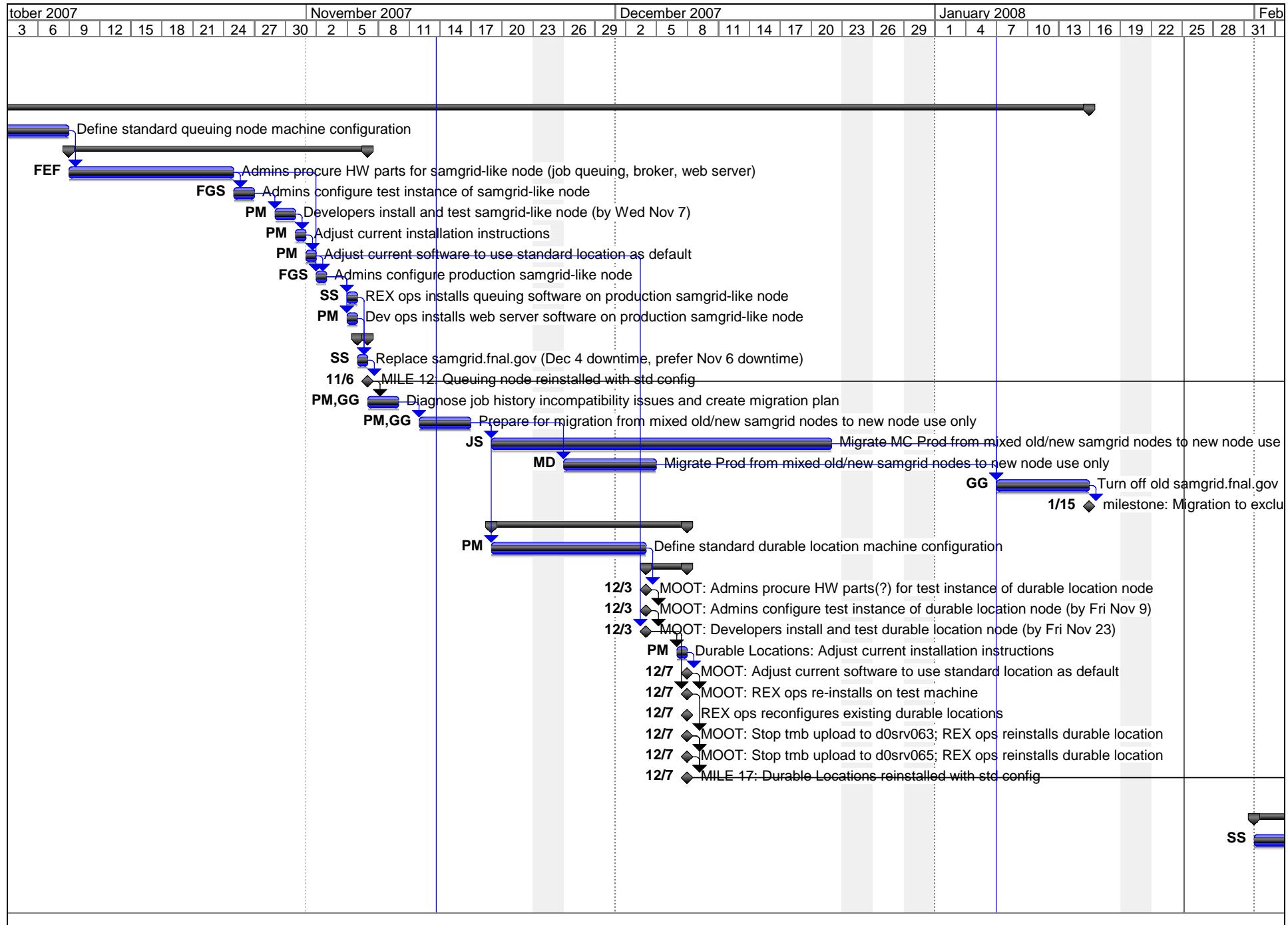


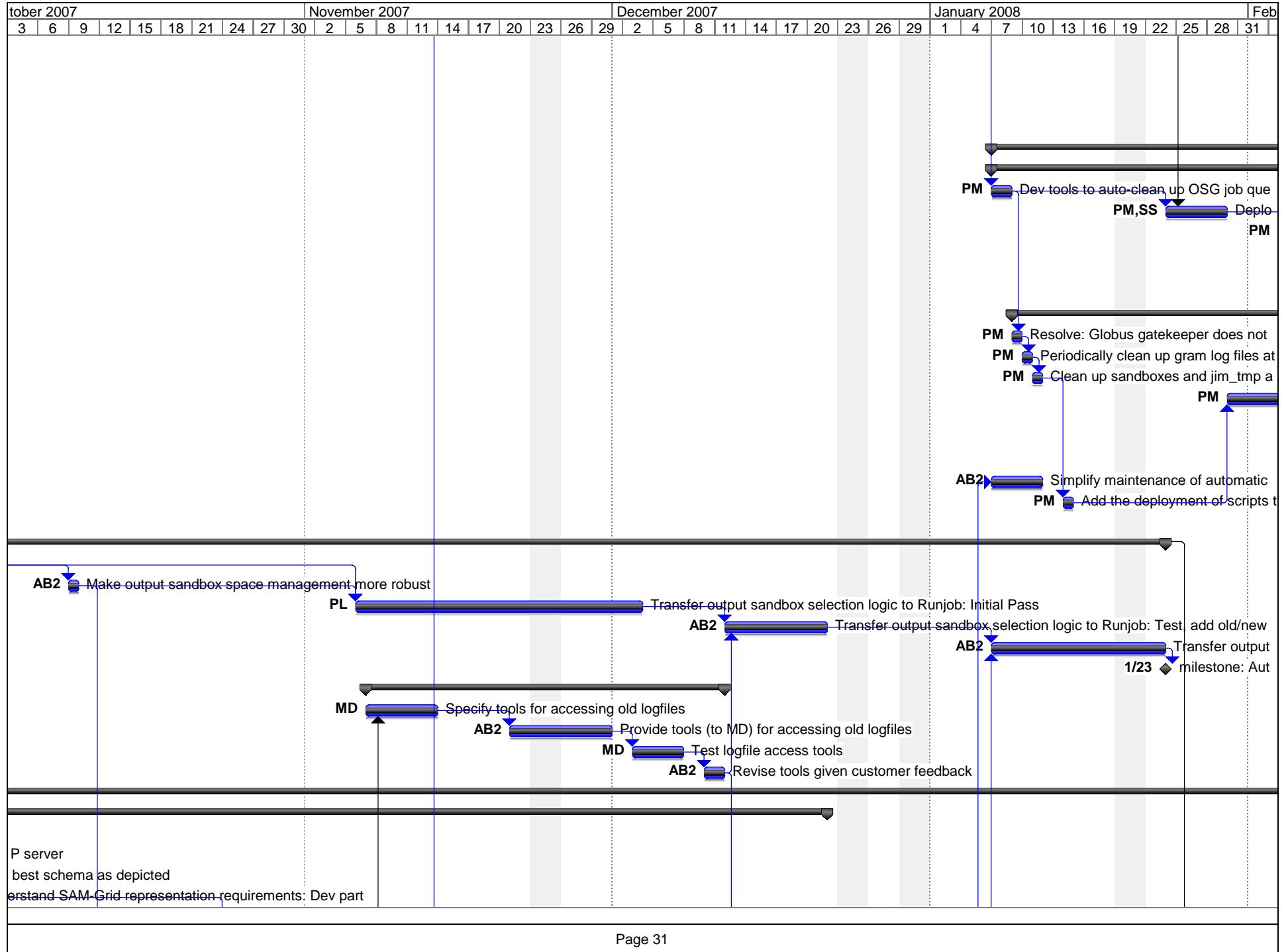


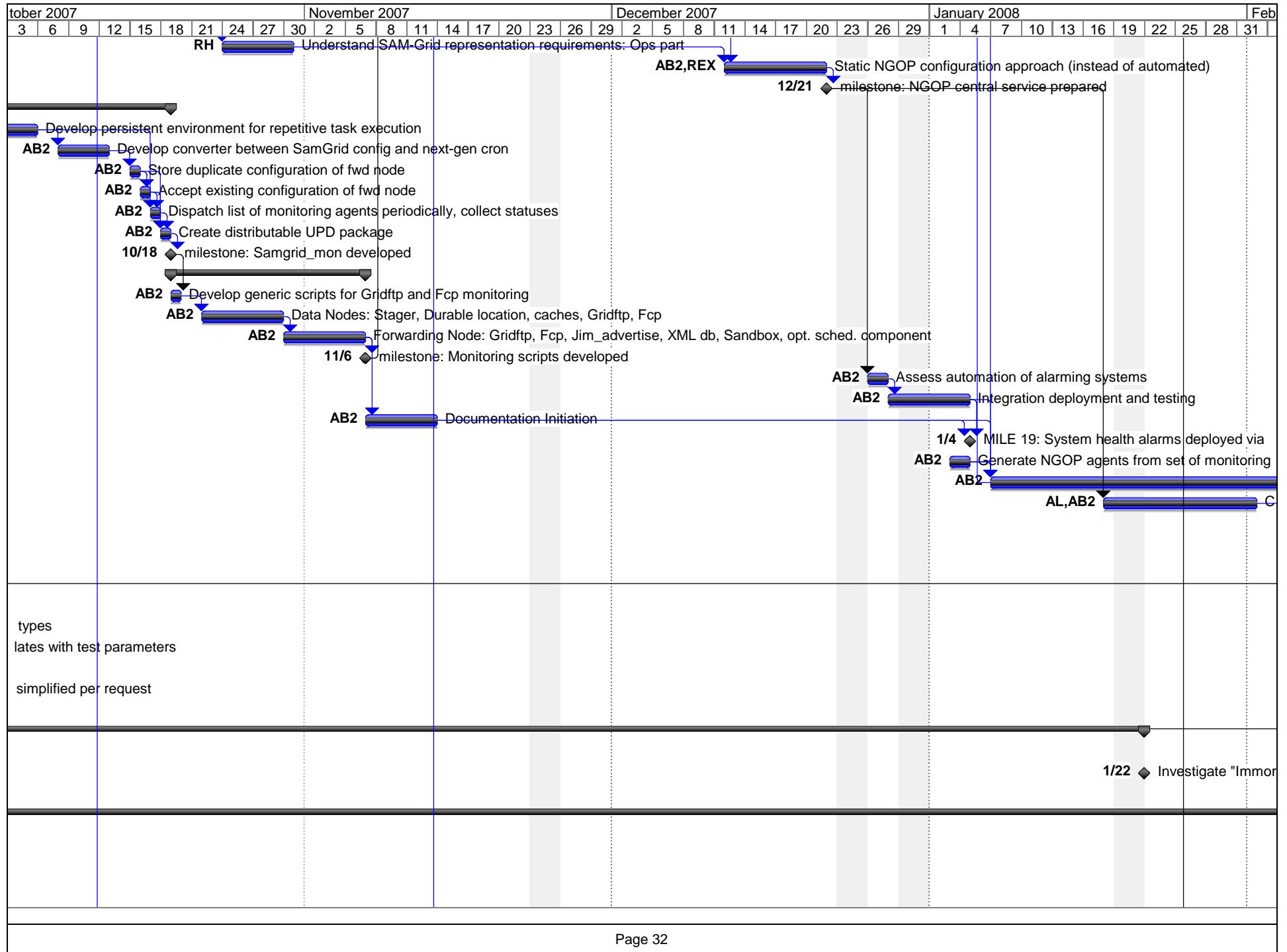


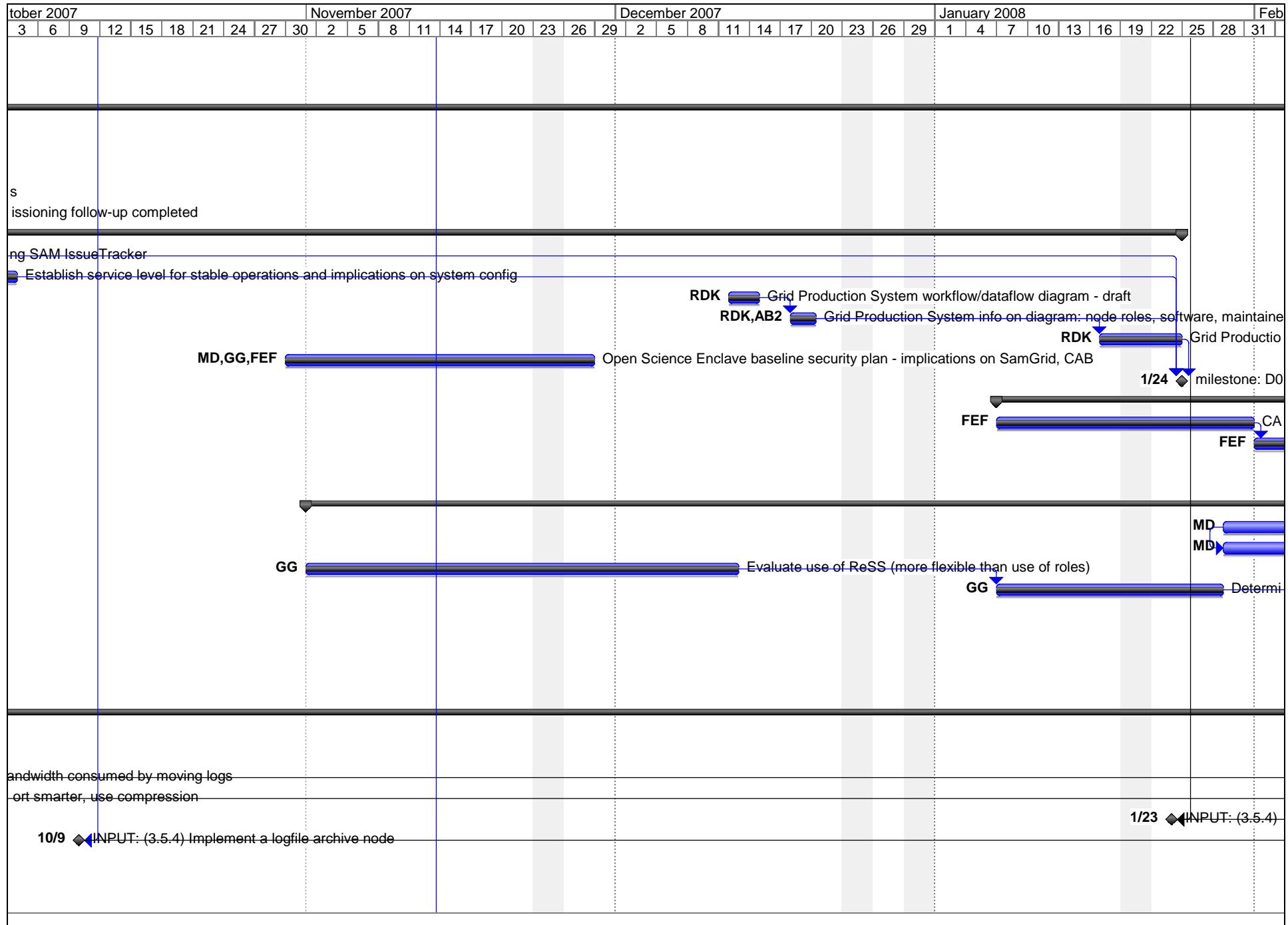


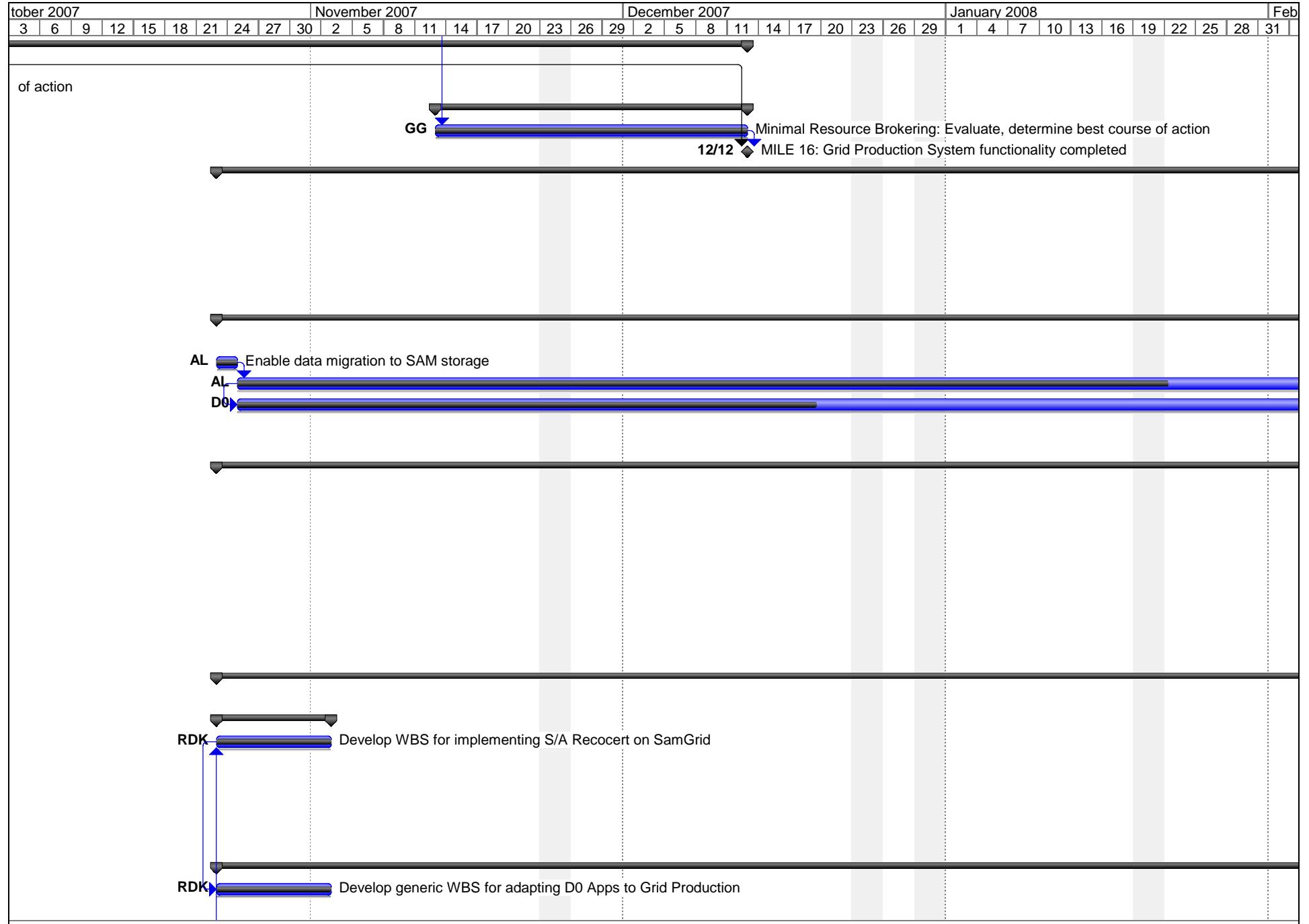


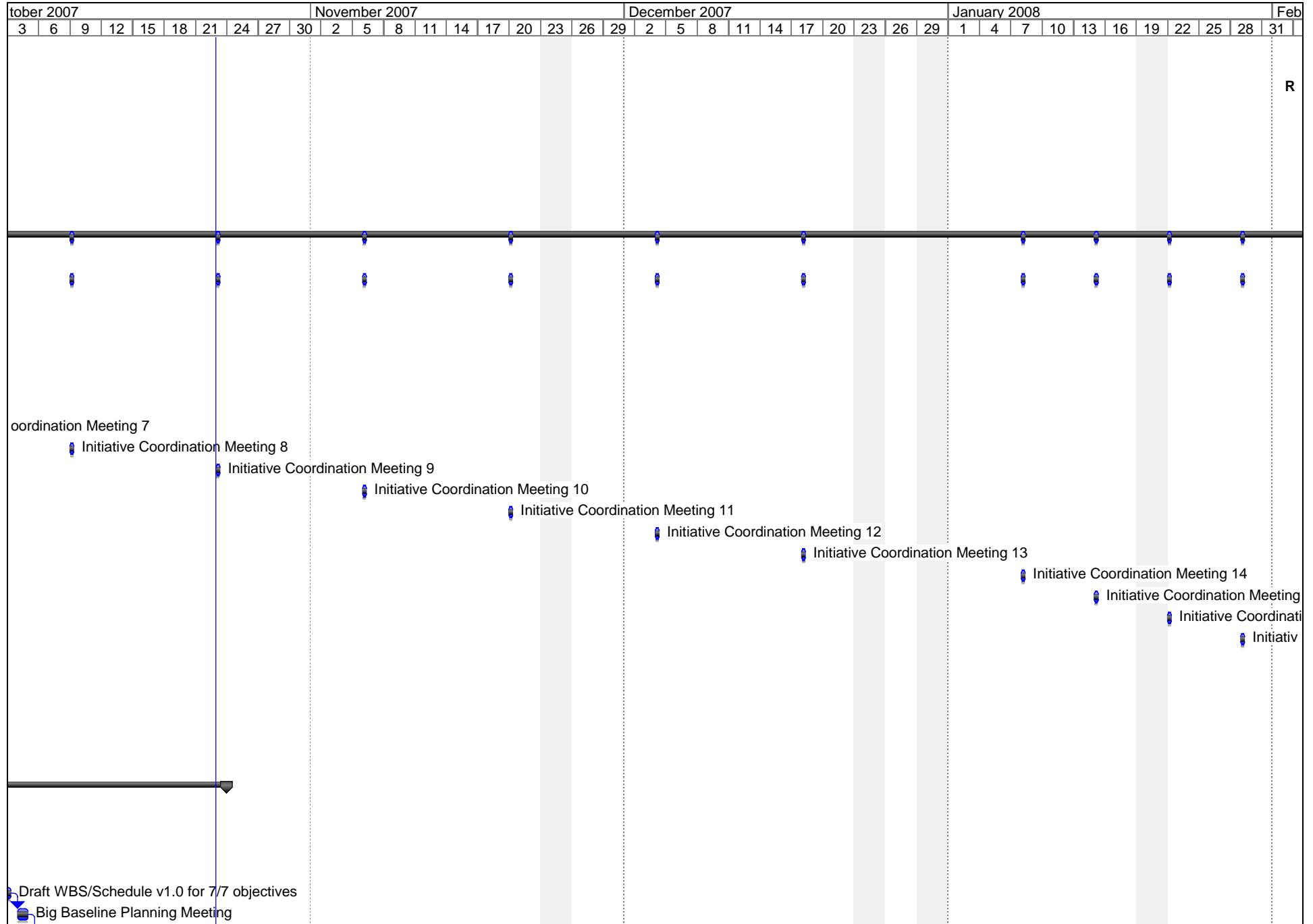


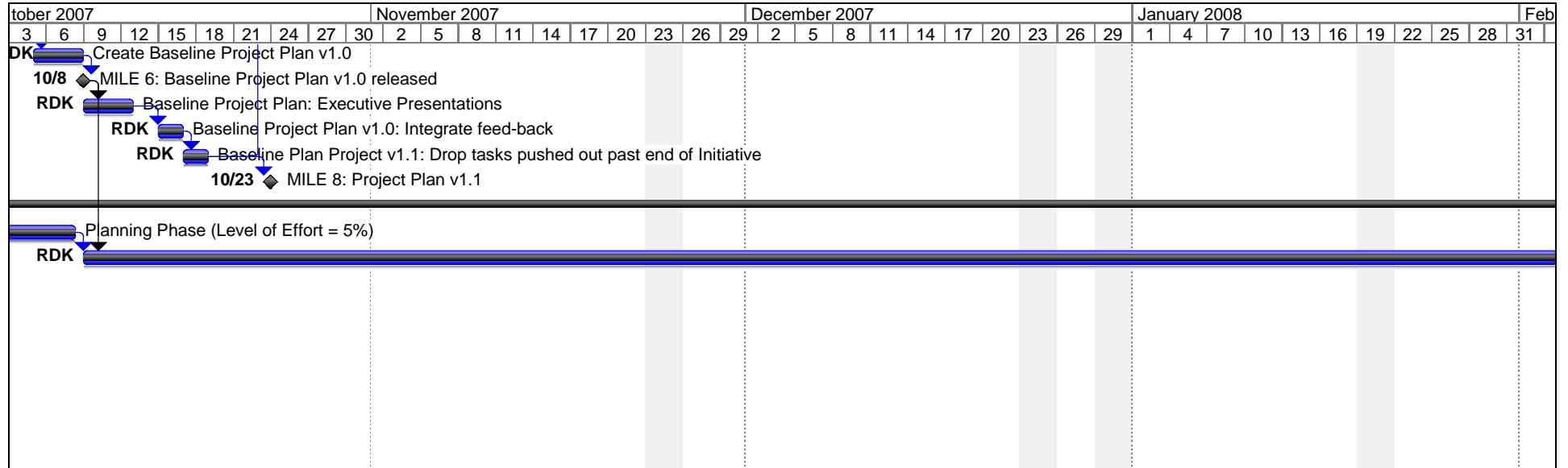


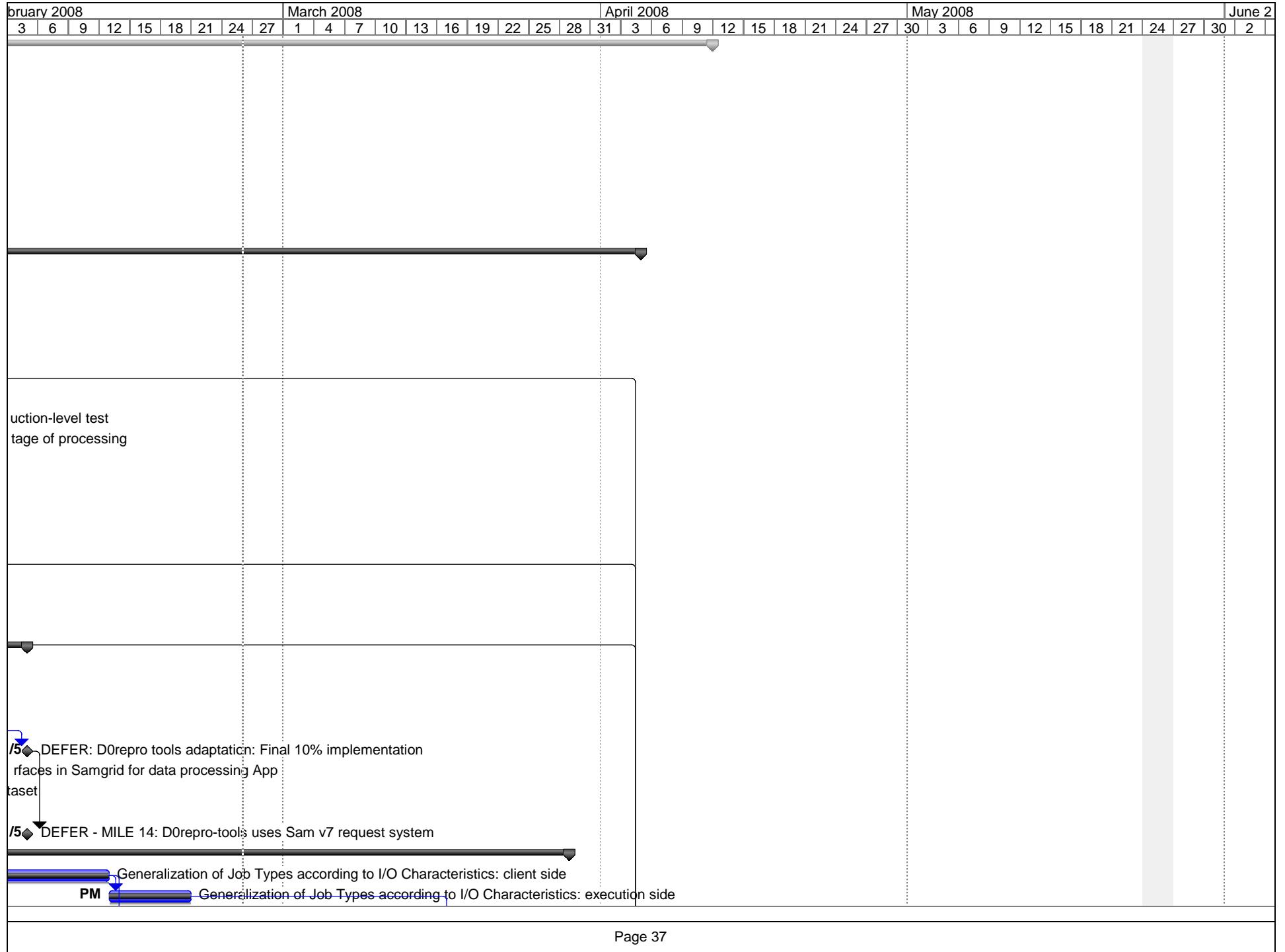


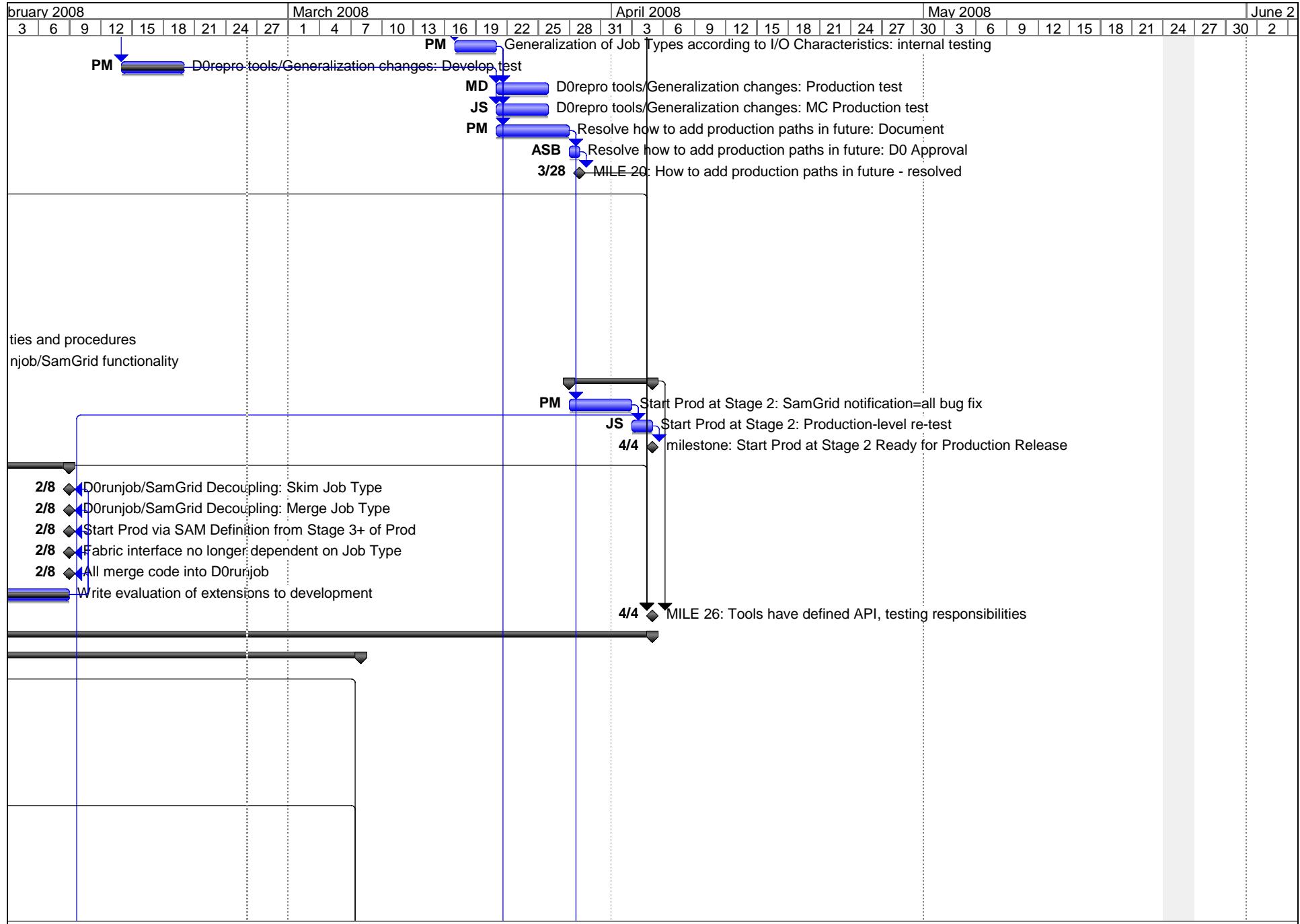


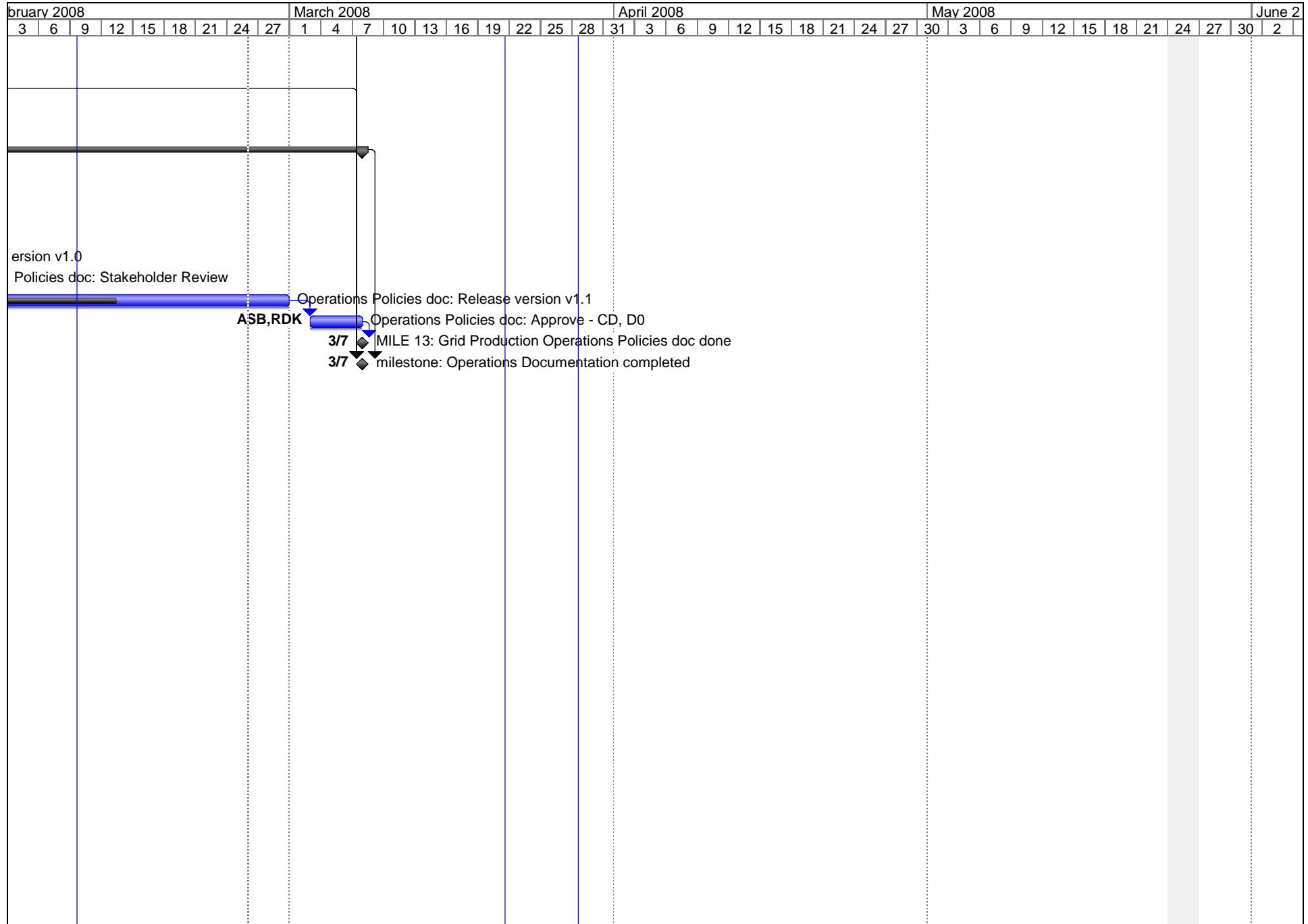




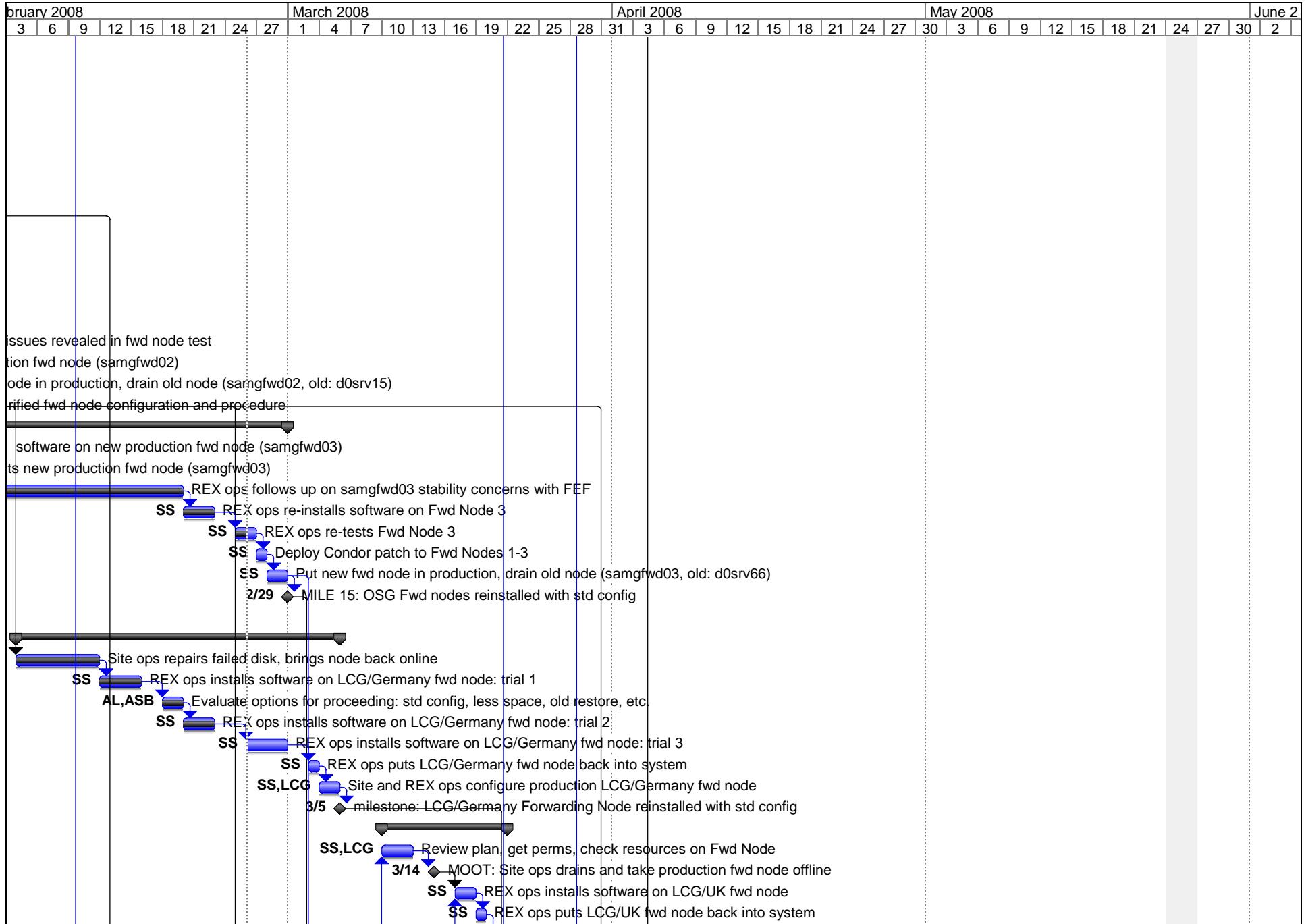


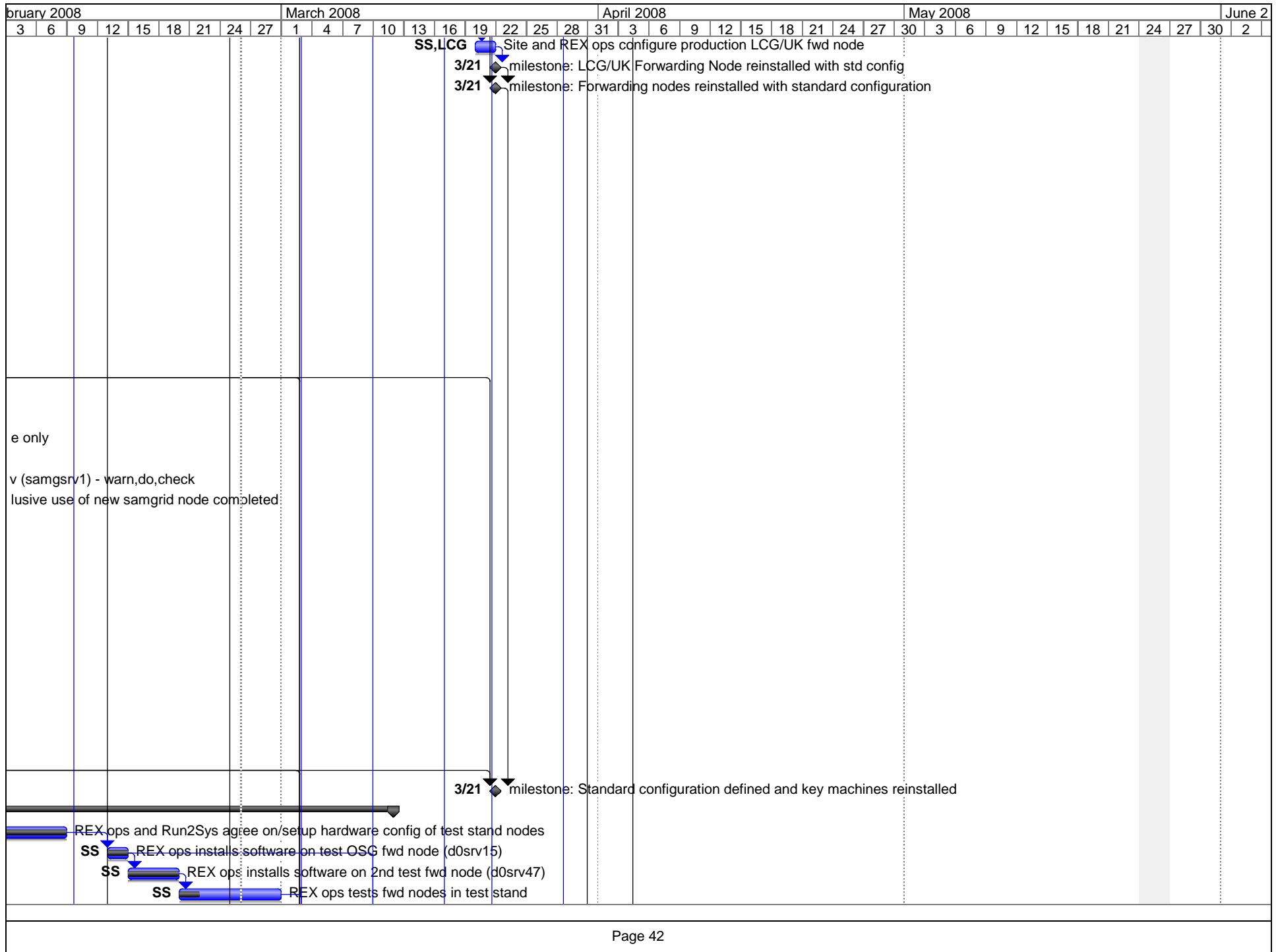


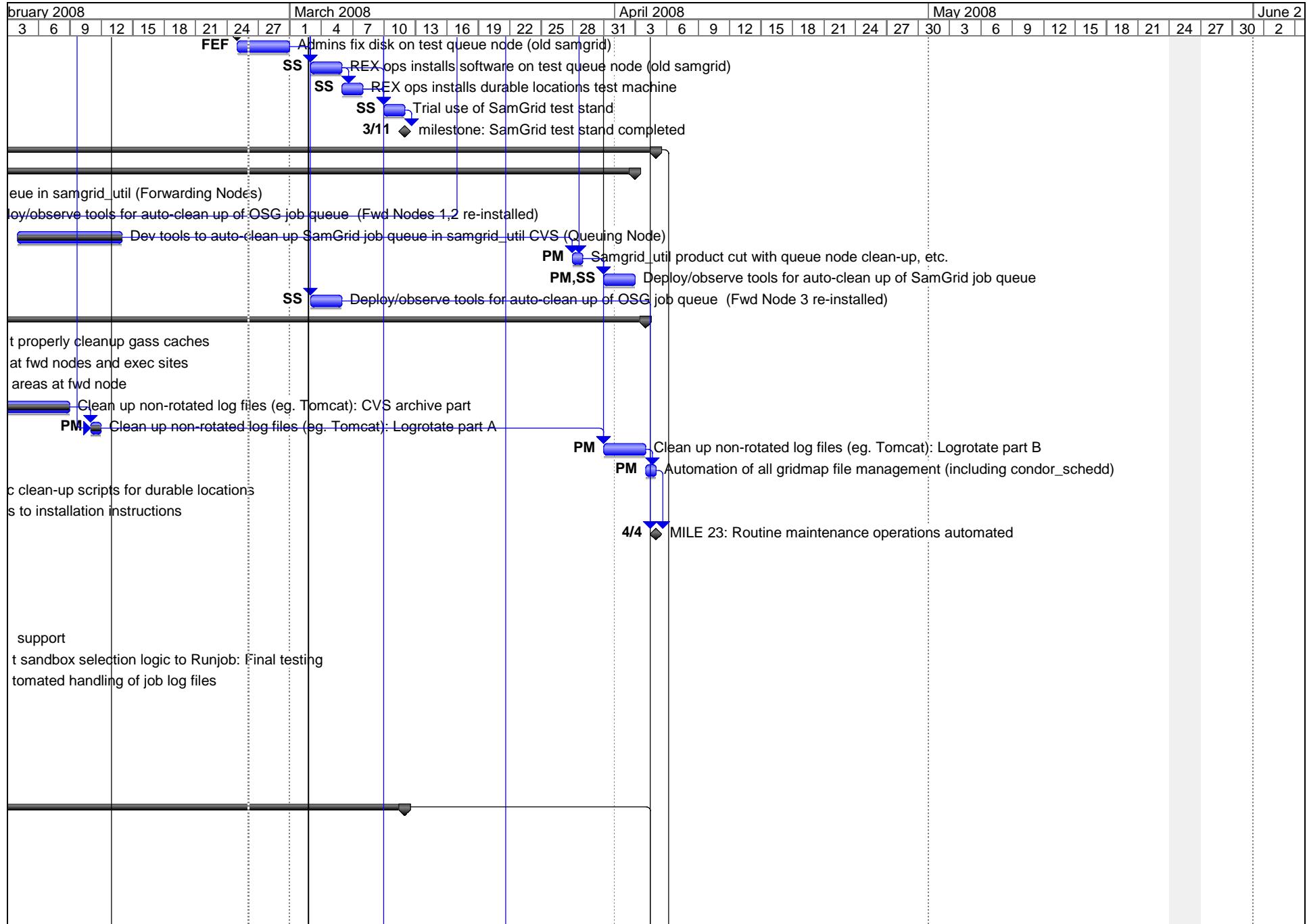


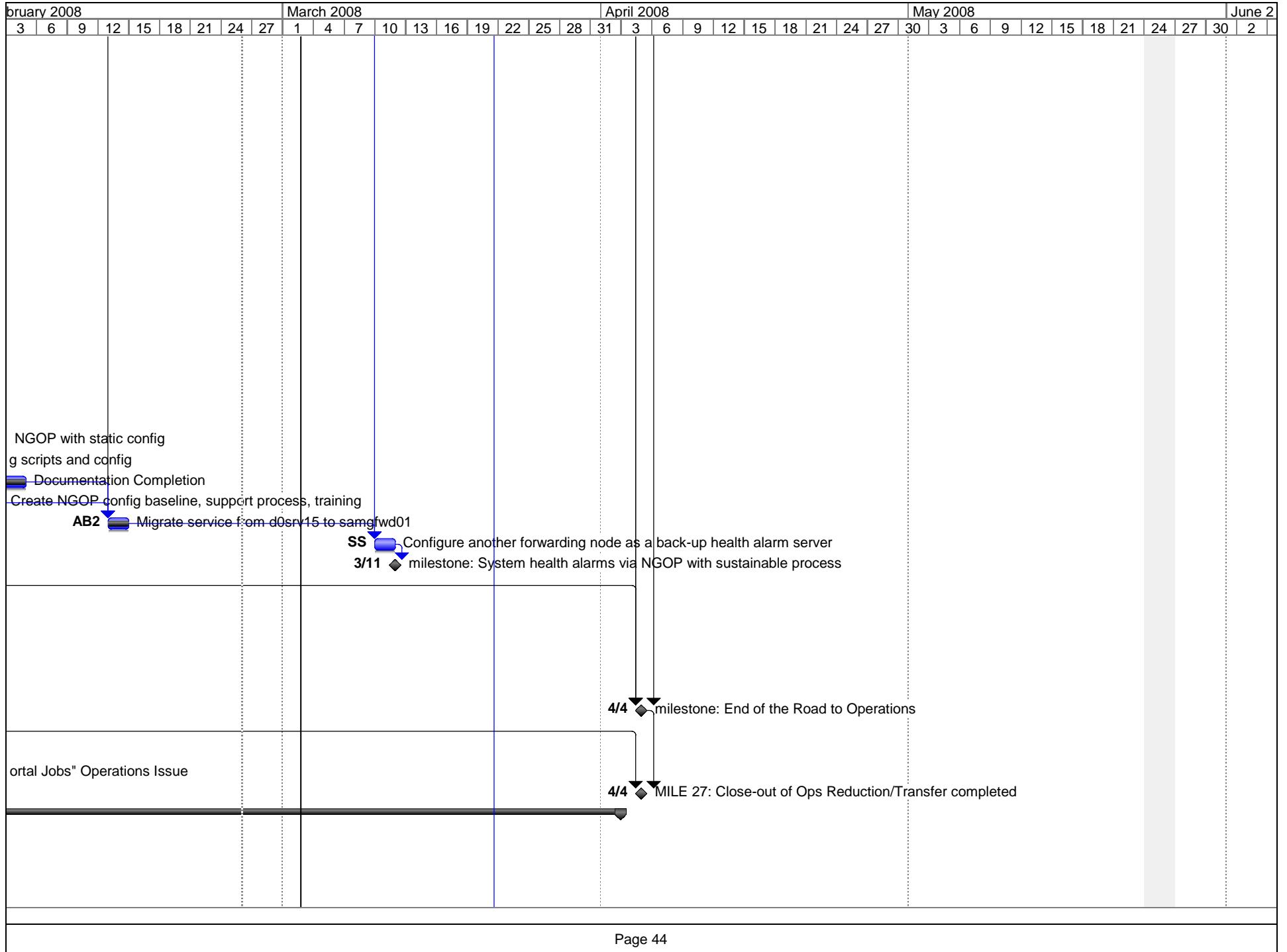


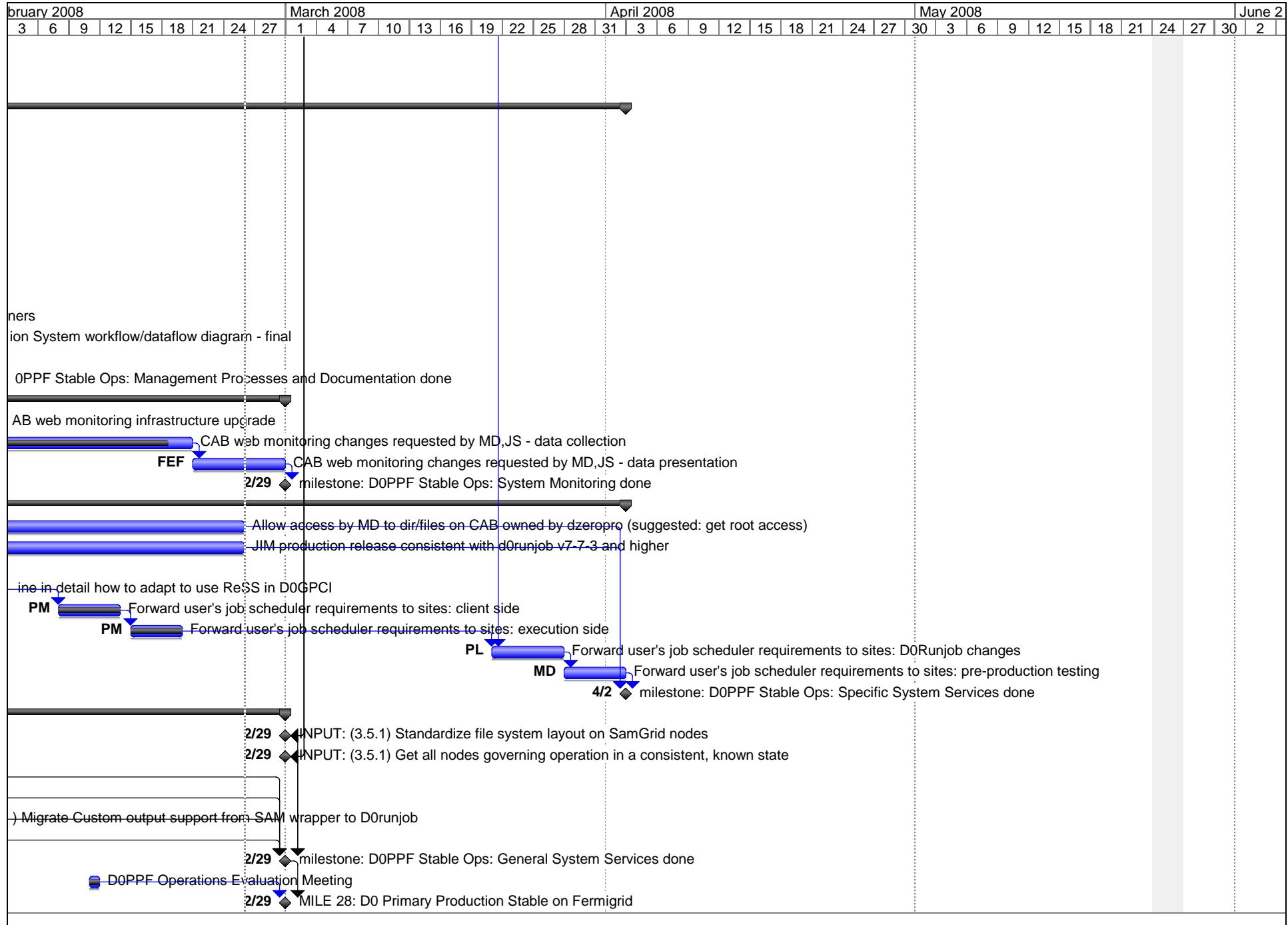
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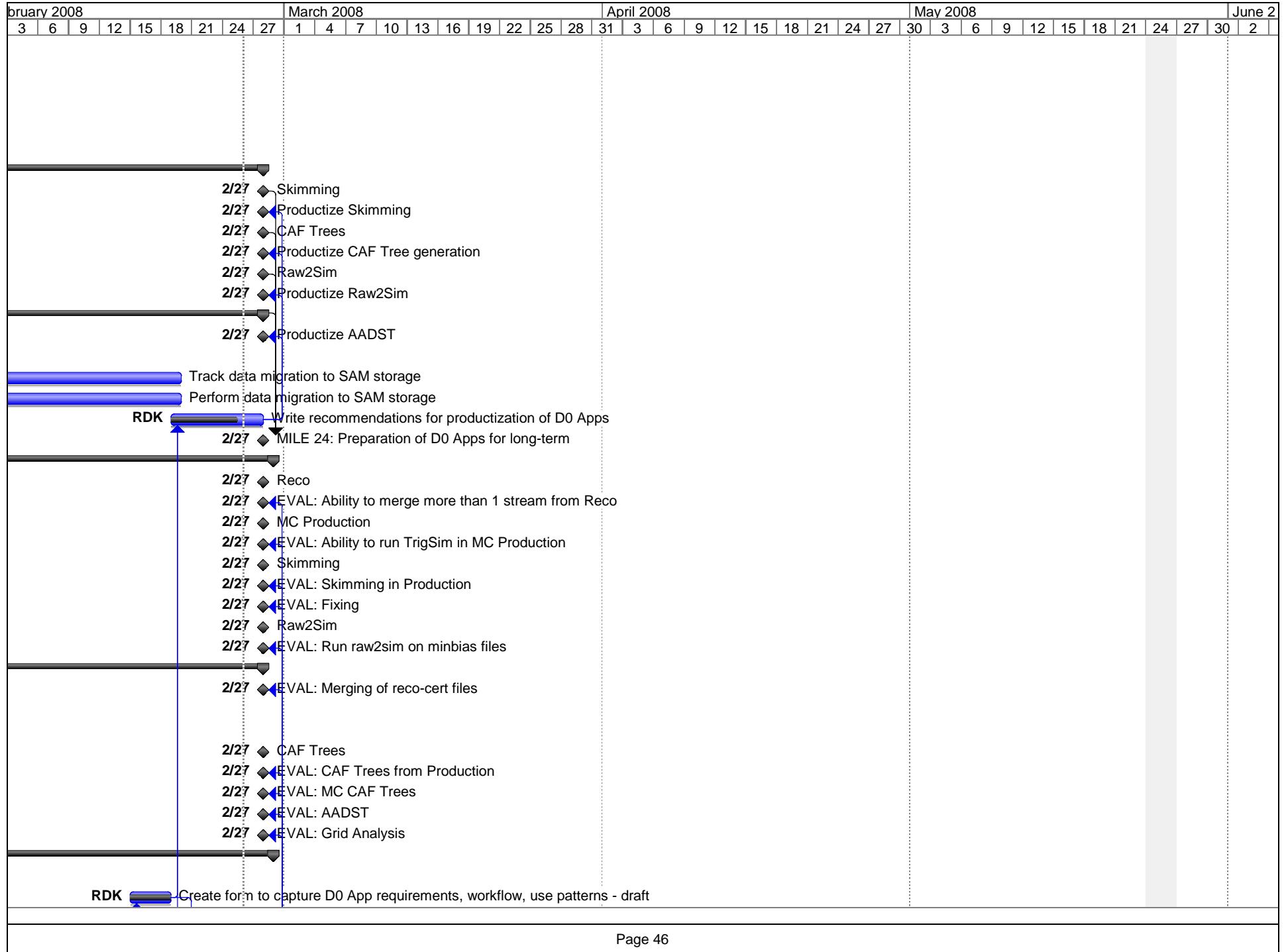




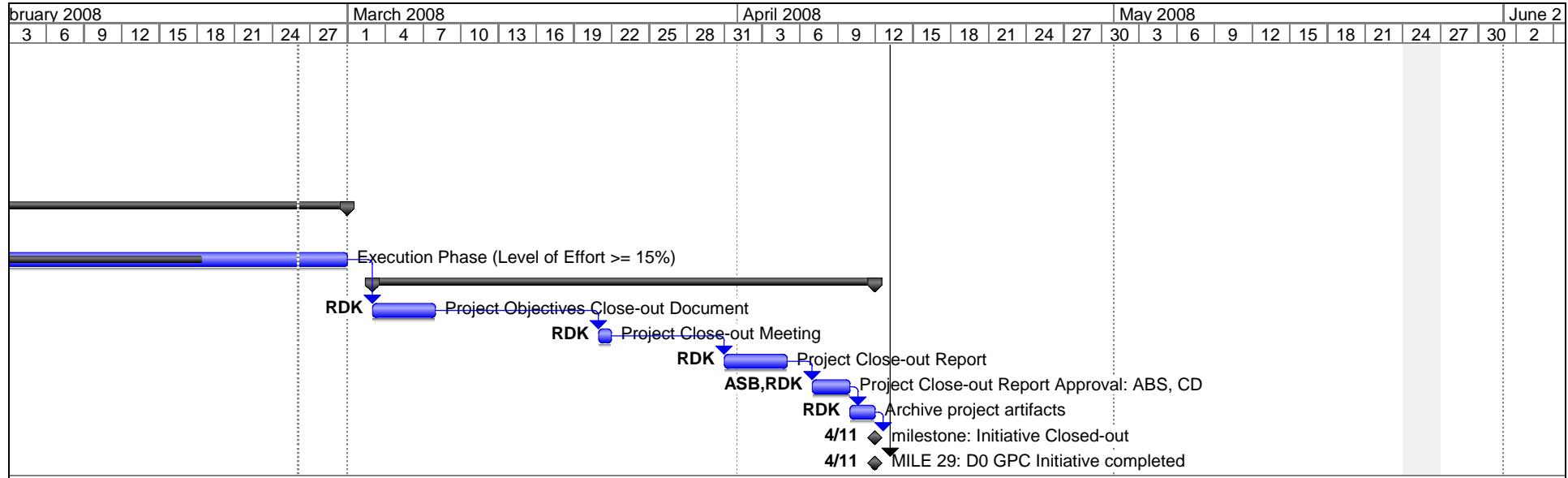












Project: D0 Grid Production Computin
Date: Tue 2/26/08

Task



Milestone



External Tasks



Split



Summary



External Milestone



Progress



Project Summary



Deadline

